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OCTOBER 1920

The American Home

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Of unusual charm is this studio in Westchester County, New York. It was designed by Arthur T. Remick, of New York, architect

THE AMERICAN HOME

Better Small Homes

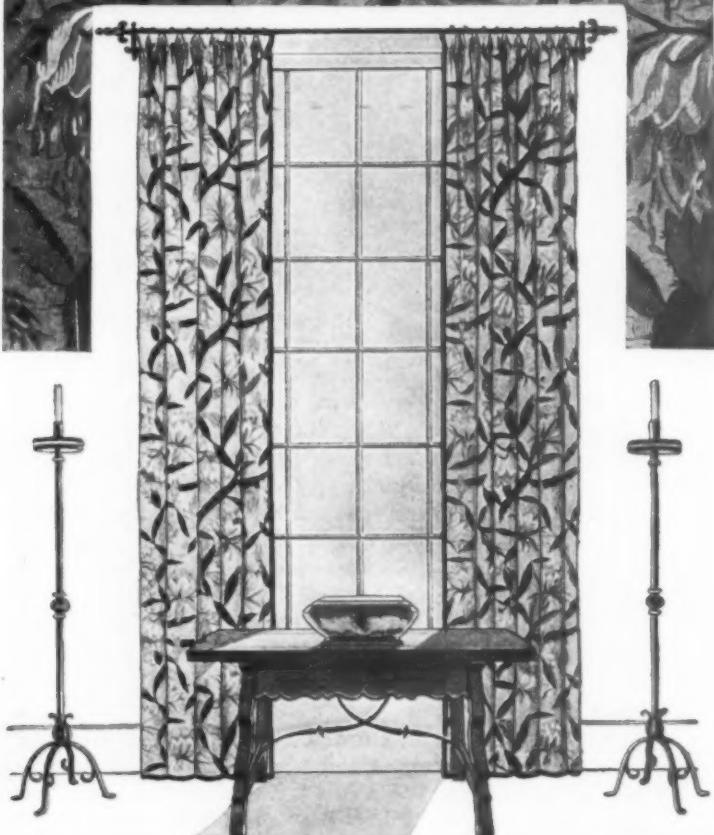
THE most extensive architectural competition for small house design ever undertaken was finished in July. Conducted by the Home Owner's Institute, the contest was held in thirteen regional districts of the United States. Three \$500 prizes were awarded in each district and from these thirty-nine regional plans, three national designs were selected.

Over 3000 leading architects entered this contest in the two classes that covered houses ranging from \$10,000 to \$25,000 in price.

It is our privilege to show on pages 17 to 20 inclusive the three national prize-winning designs and two regional winners. Judging this contest were the following men of distinguished service and achievement in the architectural world: Raymond Hood, John A. Holabird, H. T. Lindeberg, Frank Forster, R. T. Walker, Albert Kahn, and Benno Janssen.

The competition disclosed many interesting results: the large majority of all designs submitted were of English precedent. There were many more houses with three bedrooms than those having four or more. Steep roofs predominated, two chimneys rather than one, and fire-proof materials highly favored. Front and side porches gave way to rear porches or terraces overlooking the garden. There was a strong tendency toward locating the garage in front of the house or in the basement, also a tendency to place kitchens, garage and other service portions near the street with living portions overlooking the garden. Kitchens were small because of labor-saving equipment. Breakfast rooms were preferred to dining alcoves and automatic refrigerators were general and placed in the kitchen. Each of the thirty-nine winning designs had a living room fireplace; thirty-one had a basement fireplace, twelve had bedroom fireplaces.

A study of these house plans of unusual merit and charm shows no stereotyped handling. They show, on the contrary, the great variety possible in the small house, an opinion that has at all times been earnestly stressed by this magazine. We feel that the builder of the smallest inexpensive house can have it express both originality and good design. We deplore the rows of houses of one design going up all over the country and are glad to show these prize-winning designs and to know that each of the thirty-nine is to be built to prove in its locality what the small house can be.



as Typically American as the Cactus Which Inspired It

*This Unusual Chintz Will Help You
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IF you like the suggestion of the breezy west with its vegetation like none other in the world—if you long for something different from the usual floral designs and realize that America has her own distinctive motifs that lend themselves charmingly to decorative uses—you will delight in this new Waverly design.

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It belongs in a room where comfort is the keynote, with floods of light and air—a room where life is lived with zest. In addition to the window draperies, use only a cushion or two covered with this design, having the furniture upholstered in plain fabrics, or small figured contrasting chintzes.

"The Cactus" pattern comes in semi-glazed and dull finish, and as pictured it appears on a cream ground, which would be very effective if trimmed with Waverly edging in two shades of green. You may also choose it in black, bisque, blue-green, and brown backgrounds. In the latter colors, the small desert designs have been omitted, concentrating the interest on the large motifs.

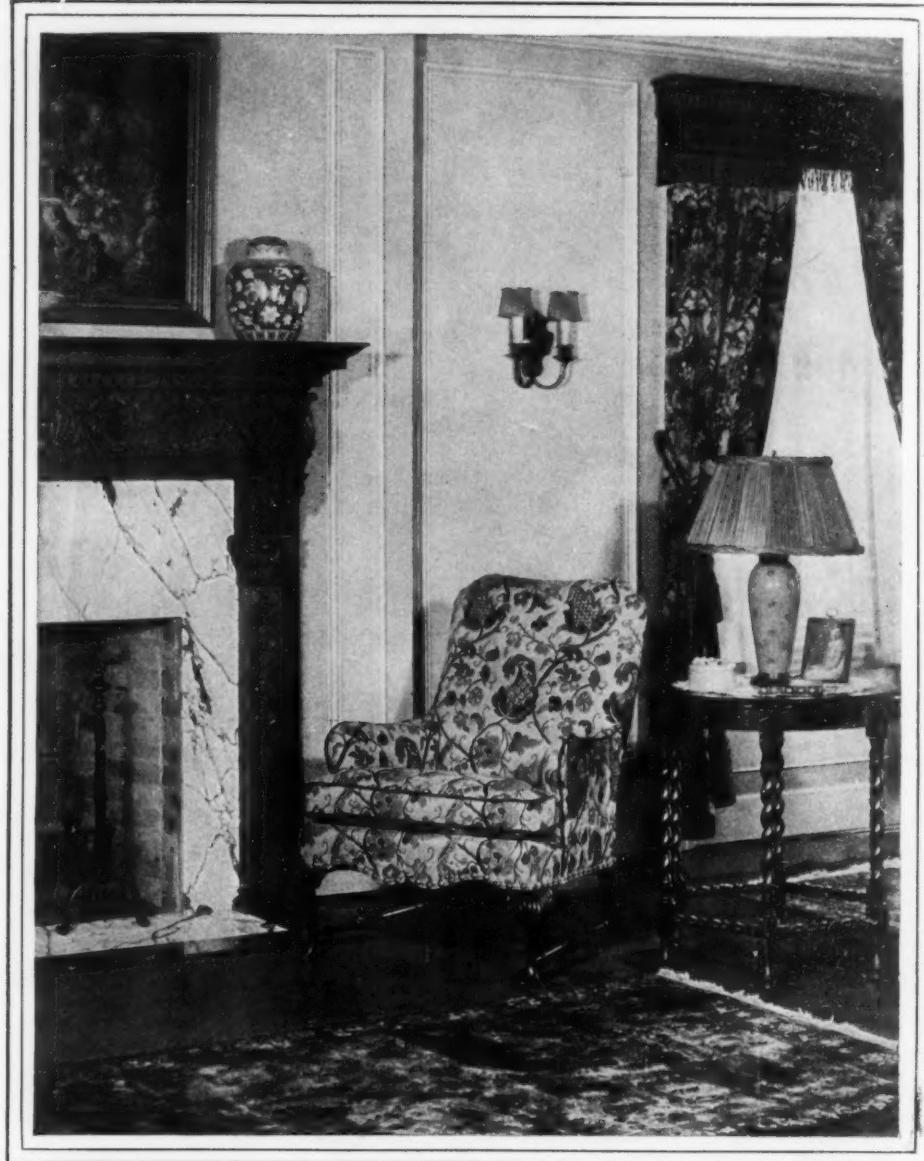
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Photograph by Harold Haliday Costain

A SMALL HOUSE OF RARE BEAUTY

The charm that most of us seek in our homes seems perfectly embodied in this little English cottage designed by Karl W. Bradley, architect, for his own residence, in Scarsdale, N. Y.

THE AMERICAN HOME

OCTOBER

1929

The restrained and simple interior

Satisfying and homelike rooms that are free from cluttering collections of odds and ends

HOW often do we hear intelligent people, who are really interested in the furnishing of their homes, inveigh against cluttering accumulations of junk that spoil rooms otherwise of most creditable appearance. The cluttering proclivities of their friends they pityingly deplore, and yet they are probably just as serious offenders themselves. The mote in their neighbor's eye seems worse than the beam in their own. Cluttering and junk collecting are common besetting sins, elusive, insinuating sins, that few have the stern, unwavering resolution to resist.

There is nothing more cheerless and lacking in character than a room or house utterly devoid of the sundry little visible evidences of the occupants' personal tastes and individuality. Such rooms have not the atmosphere of being lived in. They are like the empty shells of vanished sea creatures. They are just as frigid in aspect as the perfect creations fresh from the average decorator's hands be-

HAROLD D. EBERLEIN

Photographs by Richard Averill Smith

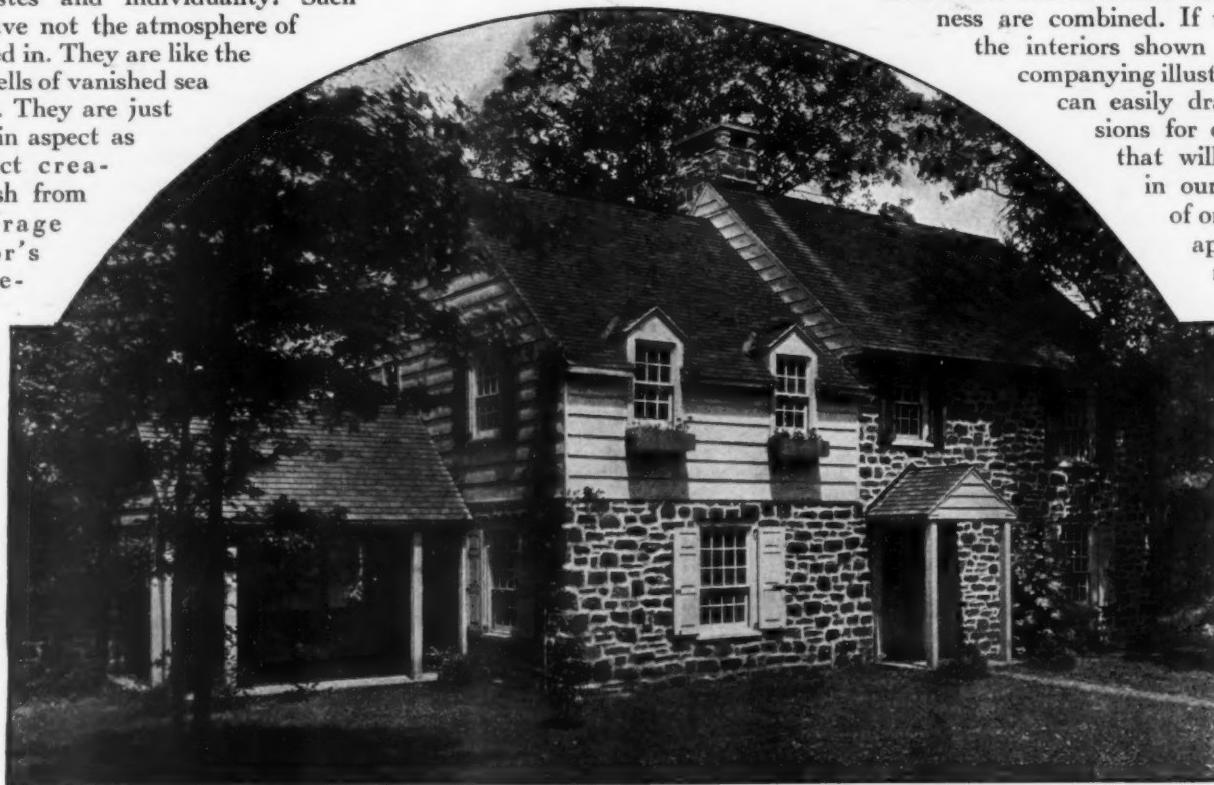
fore they have been a bit mussed up and felt the warmth of human tenancy.

BUT there is a happy medium to be observed between precise and rigid decorative perfection, on the one hand, and, on the other, disorderly accumulations of trifling rubbish, that creep in and gain a foothold partly through misdirected sentiment, partly through good-natured carelessness — the weeds of

The home at Larchmont, New York, of Leslie Nichols, architect, is of simple Colonial design, restrained and dignified in its lines

housekeeping. We all know only too well what they are: valueless gimcracks of one sort or another that have been picked up in an unthinking moment; photographs of persons, things, or places that there is no really sufficient cause for keeping, or at any rate for displaying permanently or prominently; amusing but trumpery souvenirs of some occasion of purely ephemeral moment, and all the rest of their kind. And the mantel shelf offers usually the first and readiest temptation as a harbor for all this regiment of nondescripts.

In view of the undisciplined profusion of odds and ends that too often overlies really good interiors and hopelessly disturbs their character, it furnishes wholesome food for thought when we see a house where restraint and cheerfulness are combined. If we analyze the interiors shown in the accompanying illustrations, we can easily draw conclusions for ourselves that will be useful in our own task of ordering and appointing rooms.





The floor in the dining room is stained a pleasant dark brown, the woodwork is finished in a honey color, and the wallpaper is a rouge toile that has been given one coat of dull varnish



The end of the living room farthest from the fireplace is given over to built-in bookshelves with a closed cupboard beneath

THE entrance hall exhibits an engaging quality immediately upon entering it. Its attraction is not at all dependent upon rare or expensive items of equipment. On the contrary, everything in it is of the simplest and most modest description. Nor does the fixed background disclose any particularly arresting characteristics. An inventory of the movables would include an early nineteenth century square bracket clock, with a picture painted in reverse on the glass in the lower half of the door; a couple of small pewter tankards with lids; a pair of baluster-shaped early nineteenth century brass andirons; a small tripod candle table; a plain Early Amer-

ican rush-seated ladder-back chair, and a couple of pictures.

On the walls is a paper patterned with classic pastorals, a replica of one of the papers popular in the first quarter of the last century. The wood-work is painted white and the floor is painted with a black and white checkerboard pattern in the manner of marble tiling. The staircase, with its brackets under the steps cut out in graceful profile, has a balustrade of slender square white spindles with a black handrail. On the fireplace side of the hall the whole wall is paneled with large fielded panels, and a small bolection molding surrounds the fireplace opening.

The catalogue of appointments and properties in the hall setting contains nothing to call forth especial comment. But there is an undeniable charm in the ensemble. The attraction lies not so much in what has been done as in the way it has been done. There is nothing exceptional about the fireplace itself, but it is exceptional to make room for a fireplace and the setting it demands in the entrance hall of a small house. The fireplace is an item of hall appointment distinctly worth while. Quite aside from any utili-

tarian purpose of auxiliary heating it may serve in severe weather, it communicates a very appropriate tone of cheer and hospitality that strikes the keynote of the house as soon as one faces it on entering the door.

INCIDENTALLY, the black and white checkerboard painted floor both helps to give scale to the composition and affords a feature of interest to the eye. The custom of painting wooden floors with a pattern, either in this way or in some other manner, is a usage that has plenty of suggestive precedent in old American domestic decoration and deserves more attention than it generally gets.

If we examine our impressions, we shall find that the chief appeal of this hall consists in its studied simplicity and restraint. There are few things in it, but every item is well chosen and counts at its full value. The owner has displayed great good sense in taking the usual, everyday things and placing them well in composition. Furthermore, he has kept out of the scheme everything irrelevant. There is just enough and not a bit too much; enough for cheer and cordiality of aspect, but nothing superfluous to destroy the reserve that belongs to an entrance hall.

Another element of the engaging quality attaching to this modest entrance is the genial vista it affords into the living room. There we see plain cream-tinted walls, rose toile de Jouy curtains at the windows to give a cheerful warmth of color and the requisite accent of pattern, an old framed sampler and, below it, a self-possessed little eighteenth century mahogany Pembroke table beside which is an armchair of convincingly comfortable appearance also in toile. On the painted floor, not too much covered up, are hand-woven rag rugs where they are logically needed and altogether in keeping with the rest of the unpretentious composition.

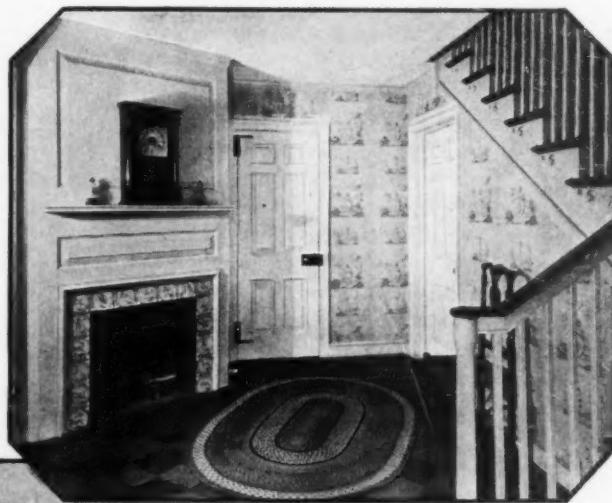
THE picture of this room is completed by another view of its fireplace side, not seen in the vista from the hall. This side of the room, quite consistent with old American usage, is wholly paneled from floor to ceiling, and the end farthest from the fireplace is given over to built-in bookshelves with a closed cupboard beneath. It will be noticed that one aid toward keeping down the accumulation of objectless trivialities is the absence of a mantel shelf. Paneling of this early char-

acter and the generous opening of the fireplace with black slate facing surrounded by a bolection molding, of course, require no mantel shelf, if one wishes to be historically correct, but even with such a satisfactory composition of interior architecture a great many persons seem unable to resist the temptation of having a mantel shelf stuck on where it does not properly belong. Then they succumb to the obsession for loading it with sundry odds and ends.

In keeping with the early quality of paneling are the H hinges on the door of the wood cupboard beside the fireplace and, likewise, the other items of hardware employed. Hinges, knobs, locks, and latches may seem trifling incidents in the appointment of a house. They are trifling, so far as the space they occupy is concerned, but they have an effect on the total ensemble out of all proportion to their actual size. There are not a few persons who give them very little thought, or no thought at all, and leave their selection to chance as an unimportant detail when their house is a-building. And yet

there is no single feature of interior equipment that has more far-reaching results, nor one on which it is wise to bestow more careful thought.

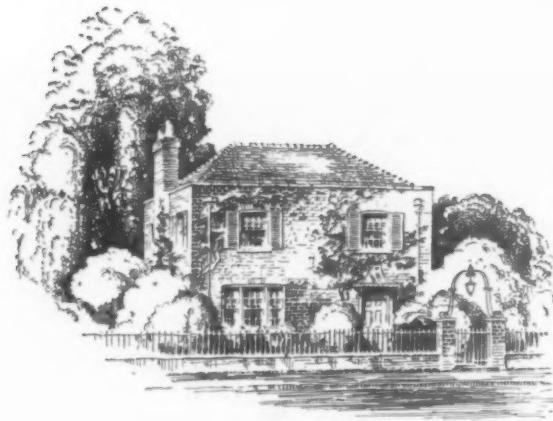
HOW satisfying and pleasant a composition can be contrived from a number of furnishing units, no one of which possesses any outstanding excellence above other objects of its sort, can be seen from the make-up of this living room. The armchair by the fireside, the tripod tables and other small tables, the lamp made from an Irish brown earthenware porter jug, and the other old American lamp with a white glass base and a clear glass bowl; the ladder-back chairs, and the braided rugs on the floor—all of these are such as may easily be discovered in almost (continued on page 40)



A fireplace whose opening is framed with soft mulberry tiles lends this entrance hall a distinctive note. The floor has been painted in black and gray checks, the wallpaper is in soft grays, and the woodwork is ivory. The fireplace side of the hall is paneled



The fireplace end of the living room is paneled from floor to ceiling with ivory finished woodwork. The facing of the fireplace is painted black, and the hearth is black slate. The floor is painted black with a high varnish finish. Curtains and an armchair in a rouge toile give warmth and color



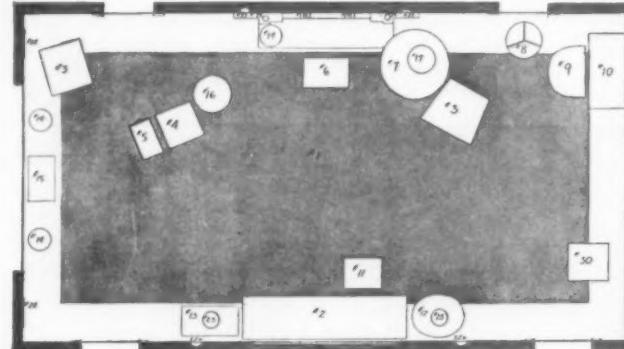
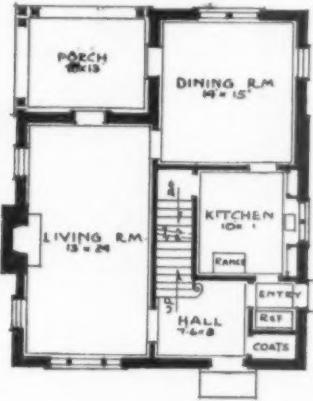
The American Home furnishes a house



Chinese jar in rose,
green, and yellow, for
the mantel shelf

A SMALL, six-room brick house of the Queen Anne type, a style which has some of the characteristics of the Georgian period, has been chosen by THE AMERICAN HOME to furnish and decorate room by room.

The exterior walls are to be of brick veneer construction, warm red in tone. Old Colonial hand-made brick would be particularly suitable for a house of this type. It



A diagram of the decorative plan of the living room is shown above, the key to which may be found on page 56. To the left is the first floor plan of the house we are furnishing, and to the right is the second floor plan. Below is a sketch of the long wall opposite the fireplace with a graceful Queen Anne sofa, flanked on either side by an incidental table. A piece of Venetian brocatelle in soft orange tones hangs on the wall behind the sofa

Part I—The living room

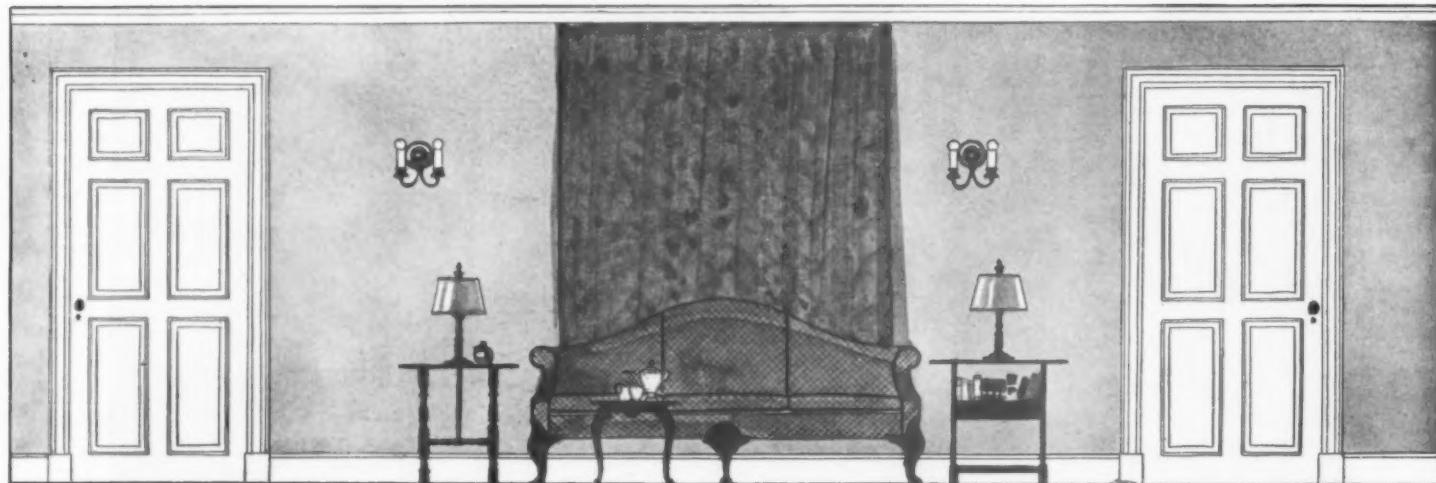
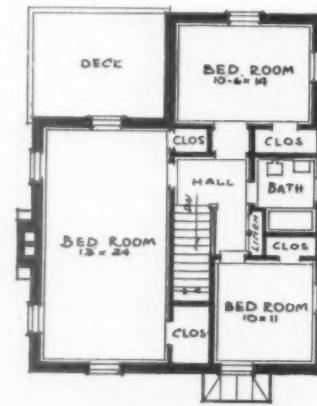
ELIZABETH H. RUSSELL
Sketches by Lurelle Guild

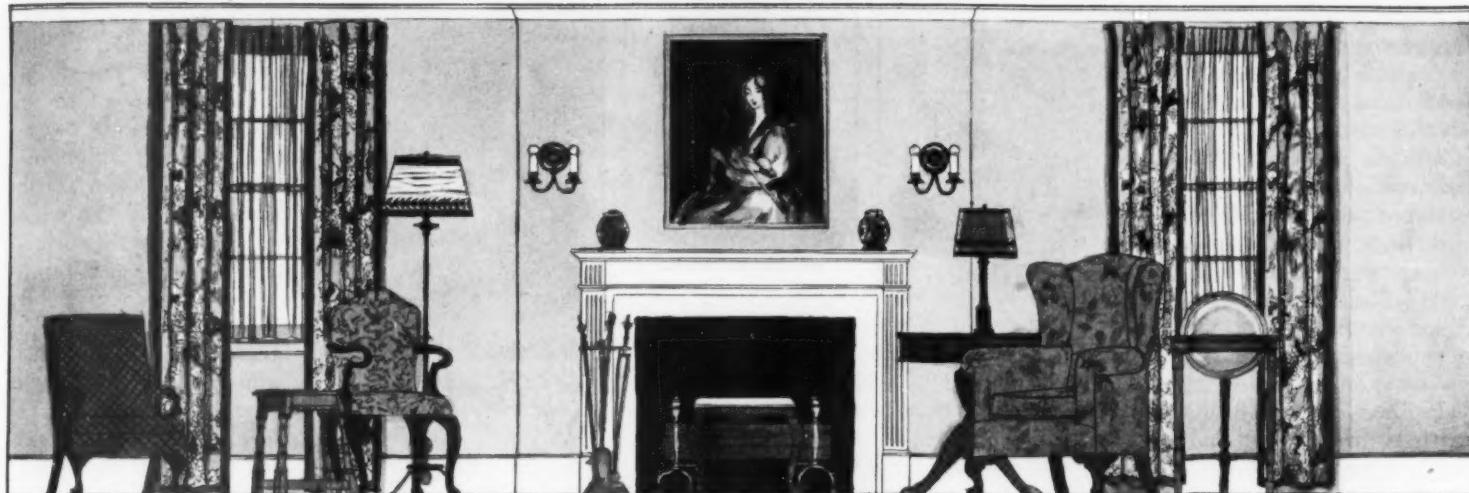
The wall sconces of simple design are of English brass

is essential that the house stand low to the ground, two steps above grade being all that is necessary, with the cellar windows in areas.

The roof is to be of shingle tile, russet-brown in color, with the half-round hip members so often used on English houses.

The chimney-pots, which are essential for the effect, are of terra cotta, and have two flues,





On entering the room we see the fireplace first. On each side there are comfortable groups of chairs and tables. A terrestrial globe in soft colors and mounted on a mahogany frame stands in front of the window to the right of the fireplace.

one for the living room fireplace and one for the heater.

The interior finish is all stock size, including dressers, window frames, and six-paneled doors. The bookcase is the only exception, and the cost of millwork for this should not be more than \$50.00. The windows are all double hung, and the window frames, sash, front door, and porch woodwork are all painted white.

The roof of the entrance hood is of lead-covered copper, with wrought-iron brackets.

The contents of this house is 26,900 cubic feet, which, at 55 cents a cubic foot would come to \$14,795.00 for the cost of construction.

The plan of this charming small house is very compact, with the kitchen the central feature so the house can be run without a servant. Many steps are saved for the housewife by the close connection between the service quarters and the front and back entrances.

The living room, whose equipment we are to describe this month is unusually spacious for a house of this size, and its proportions are well adapted to a comfortable arrangement of the furniture. The dimensions are fifteen feet by twenty-four feet with an eight-foot ceiling. The fireplace forms a focal point as it is on the outside wall, flanked by windows on either side, all of which provide a pleasant vista from the entrance hall. The good looking built-in bookcase becomes a decorative feature of value when filled with its multi-colored books.

The French casement door makes the deep porch convenient to both living and dining rooms, and leads to a garden which is planted for

privacy. The oak flooring is of the usual two and a quarter inch stock, treated with an oil filler, and then given two coats of wax, rubbed down.

For the walls we have chosen a wallpaper of a soft gray-green, an "Adam green" as decorators call it, which is one of the most restful and pleasing of shades for a living room. It forms a delightful background for the chintz hangings and the various com-

fortable pieces of walnut furniture, which are appropriate for the simple informality which should be achieved by a small house.

There is a very indefinite shadow figure in the wallpaper, a delicate tracery of leaves which prevents the color from becoming monotonous. The paint chosen for the woodwork is two tones darker than these figures, making it define the architectural features pleasantly. The ceiling is soft cream in color.

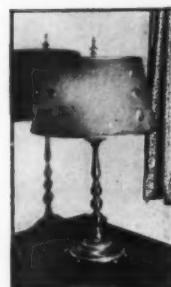
With this background we shall start to discuss the actual furnishings. The floor is almost completely covered with a large rug made in Broadloom weave, and "taupe-lake" in color. This is the best quality and will wear for a life-time, while the shade is soft and harmonious, being one of the "earth colors" which are so satisfactory for floor coverings. Against these soft green walls, and neutral colored floor we have placed articles of furniture we feel to be essential for comfortable modern living.

Since we first see the fireplace in entering the room we shall start with its equipment. The andirons and fire-set are polished brass in a Georgian design, simple and effective. The fireplace has a twelve-inch white marble hearth to match the white marble facing around the opening, and the whole effect is hospitable and inviting. Before the fire stands a Queen Anne seat for the convenience of the fire builder, and on either side are groups of comfortable chairs in close proximity to tables and lamps, all producing happy effects for informal home living.

To the left is a group of a graceful walnut Queen Anne armchair, a tall floor lamp with a decorative parchment shade, and an oak bench,



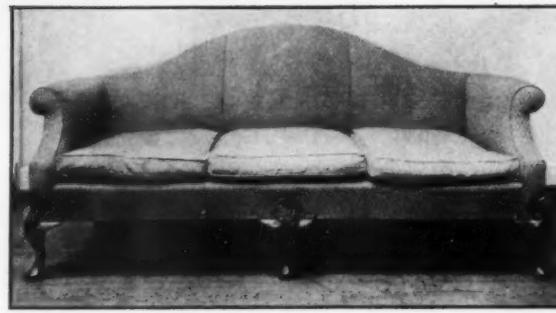
A print of "The Cello Player" hangs over the mantel



Two reading lamps, one with a clear and one with a crackle parchment shade

A coffee table of walnut forms part of the group around the Queen Anne sofa

The sofa, covered with a figured denim, has three box cushions finished with welted seams



which may hold the trifles a reader likes to have at hand. The chair is covered with the same denim used on the sofa. This denim may be replaced with more expensive material when the owner wishes. It has a taupe background, with a design of diamonds outlined in broken black, and enclosing tiny figures in rose and green. The lamp is of wrought-iron, with a brass base and brass ornamentation of a quiet simplicity, and a shade decorated with gold bands at top and bottom and finished with a wide band of green conventionalized laurel leaves.

To the right of the fireplace is an unusually comfortable wing chair, with typical cabriole legs in solid walnut and a deep seat with a down-filled box cushion. Back of this chair and near enough to the fire so that it will form a pleasant family gathering place is a "drum table" reproduced from one of the popular English models whose convenience has been acknowledged for years. It is made of veneered walnut, quartered to show the grain of the wood, and has a central pillar base with each foot terminating in a handsome solid brass paw. There are drawers in the top, four real and four simulated, as all English tables are made. Such a substantial table may hold a lamp, books and magazines, and games and soon becomes one of the pieces of furniture most closely associated with the family life.

The lamp that stands on the table is a classic design in green tôle, decorated in gold, and supporting a shade of crackle



This Cogswell chair, deep and comfortable, is sure to be a favorite



A graceful walnut Queen Anne armchair upholstered in denim



To the right of the fireplace is an inviting wing chair with cabriole legs

parchment decorated with gold bands and laurel leaves like the floor lamp.

Over the mantel hangs a beautiful color print whose soft tones exactly reproduce the original Van Dyke painting of "The Cello Player." Its lovely subdued color scheme is set off by a simple



A tall secretary in walnut finish with four drawers in the base and bookshelves above. The doors have the historically correct thirteen panes of glass

frame of dull, green-gold. On either end of the mantel shelf stands a Chinese jar on a base of black teakwood. These jars are a fitting complement to Queen Anne furnishings as the rage for china collecting originated during her reign and has been popular ever since. The tones of soft rose, green, and yellow in the jars pick up some of the notes in the chintz hangings, and

add to the colorful effect of the room.

In front of the window to the right of the fireplace is a terrestrial globe, which is not only a most decorative feature in the room, but is of great interest to both old and young, and cannot be excelled as a "conversation piece." The twelve-inch globe, in soft map colors, is mounted on a fine mahogany frame, and on its horizontal surface are set down the signs of the zodiac, scales for computing time, and other data.

Against the rear wall, to the left of the French casement door, is a tall secretary in walnut finish, with four drawers in the base, and bookshelves above. It has the historically correct number of thirteen panes in the doors, being of a later period than most of the other furniture, but blends well with it, and is of a usefulness that cannot be overlooked. With the built-in bookcase near at hand this side of the room becomes the library end, and, therefore, one of the most used and enjoyed features of the house.

Against the long house wall is a comfortable sofa of beautiful lines, which has solid walnut cabriole legs, and is, as shown, covered with the figured denim

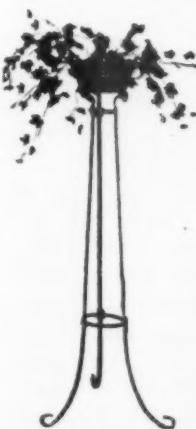


The rear wall with its built-in bookshelves at the right of the French door and the graceful secretary at the left becomes the library end of the room

described above. This may be used until the owners have decided on their ultimate upholstery. Or, if desired, this sofa and the wing chair may be given slip coverings, either of chintz like the curtains, or in plain green or rose to harmonize with them. There are three box cushions on the sofa finished with welted seams, like the back and arms, and the whole piece is stuffed with the best hair, topped with down. The covering is put on with brass headed nails, and it is in every way an excellent value.

On either side of the sofa is an incidental table in walnut finish, which holds reading lamps whose bases are reproduced from ancient candlesticks of sturdy design. The shades are of clear parchment, blending harmoniously with the color scheme of the room. These lamps were chosen because they were tall enough to throw a good light on the book of a reader sitting on the sofa. This point is sometimes overlooked in purchasing lamps.

Before the sofa is a charming little walnut coffee table, made all in one piece, one of the comfortable accessories that quickly become indispensable to our happiness. On the wall hangs a piece of Venetian brocatelle in soft orange which adds interest to the wide expanse of wall, and helps bring the color scheme together. It has a conventional design repeated over its surface, and the orange harmonizes with some of the gorgeous flowers



A graceful wrought-iron plant stand holding trailing ivy

To avoid placing heavy furniture before the front windows, a simple grouping is used—an aquarium with a plant stand at either side. All windows have glass curtains of rayon casement cloth over which are hung long chintz draperies.

in the chintz hangings. Since the background of the room is cool and neutral this bright complementary tone wakes it up and adds to its interest.

The hanging is simply hemmed at the top and bottom, and a wooden rod may be run through the upper hem to keep the material straight, while a few pieces of lead weighting will give the lower hem the proper finish.

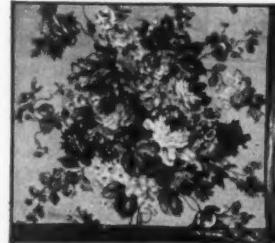
Since we did not wish to place heavy furniture before the front windows we have used a simple group consisting of an aquarium, flanked on either side by a plant stand holding trailing ivy. The



These pictures, "Cries of London," are softly colored



A drum table forms a part of the group at the right of the fireplace



The chintz draperies have a design of gorgeous and brilliant flowers against a background of Adam green



The aquarium is of green glass with base finished in antique green

wrought-iron bases of all these pieces are finished in antique green, which harmonizes with the furnishings of the room. The plant bowls are of copper, and the aquarium of green glass.

In the corner of the room to the right of the aquarium group stands a Cogswell chair, deep and comfortable, and sure to be the chosen seat of the master of the house. The solid foundation and big cushion of this ever-popular type of chair make it the cherished spot of relaxation after the day's work is over, and the evening paper and favorite smoking materials should always be placed near it after dinner.

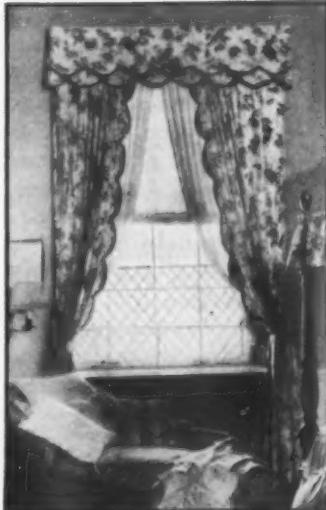
All the windows have, close against the panes, glass curtains of rayon case-ment cloth. These curtains should swing just clear of the sill, and have two and a half inch, tailored hems across the bottoms, with center hems of one and a half inch, and half inch hems at the sides. In making these curtains it is best to tear off the selvages as they are likely to shrink when the curtains are laundered; also allow a two-inch fold in with the top hem to let out after cleansing or washing.

Over the glass curtains are hung long chintz draperies, reaching to within one inch of the floor. The chintz has a crisp, effective design of gorgeous flowers in brilliant colors, against a background of Adam green that almost matches the wallpaper. The flowers are exotic roses, tulips, poppies, larkspur, asters, snapdragon and gloxinias, (continued on page 54)

Putting character into curtains



Dignity may be emphasized in a formal room by the use of heavy draperies, hung under a double-shirred valance, and looped back with a shaped tie-back. The sheer glass curtains are crossed diagonally.



The gay chintz used at this bedroom window has an interesting finish of scallops which are bound with a bias fold of contrasting color.

Let your winter windows give a hint of the cheer within

JACQUELINE VERNEUIL



An unusually interesting architectural treatment of the window is shown above where the material has been used perfectly flat and bound with a contrasting color.



An Early American room has appropriate over-drapery of small figured material, hung under a valance of plain fabric which is also used for tie-backs. The sheer glass curtains just touch the window sill.



These glazed chintz draperies have pinch-pleats at the top, and are finished with ruffles in a plain color. The glass curtain knobs add color.



Great bows of wide moiré ribbon are used to hold back these curtains of frilled organdie.

THEY say that eyes are the windows of the soul, and that our windows are the eyes of the house. If this be true what a frightening, depressing thing it is to think that the average window reflects the soul of the American home! We take great trouble with every detail of the house, except our windows. And for our windows (judging by the average drab, uninspired window that gives not a hint of the inner glow and cheer of American home life, not an inkling of the life, thoughts, and habits of those within) we take the first and easiest thing that comes to hand.

This summer I saw literally millions of pairs of white ruffly tie-backs. Whether the architecture was Colonial or Spanish, the room a bedroom or a living room—nothing but ruffly tie-backs. Please don't misunderstand me. I like ruffly tie-backs, but it takes no knowledge of interior decoration to realize that what is appropriate for a quaint little Cape Cod cottage is hardly suitable for a Spanish, French, or Georgian house. And it is only plain common sense to state that

what is correct in a dainty, feminine boudoir is hardly the sort of thing to use at the windows of a living room that is

used strenuously by every member of the family.

Fall is again upon us and in its wake will follow the inevitable winter epidemic of écrù net curtains where once hung millions of ruffly tie-backs; that is, they will hang unless America's home makers, so individual in everything else about their homes, will give a little thought and care to their winter windows, will put into their hangings some of the personality they put into other parts of their homes and let them reveal, on cold wintry nights, some of the cheer and comfort that's within.

It seems to me that we should buy our draperies just as we buy our clothes. After all, they are like clothes in every important respect. They must fit in size. They must harmonize with the rest of the ensemble with which they will be used. And (here is the point where most of us fail) they must be appropriate and suitable. Any one would resent being told anything so obvious as not to buy organdie for strenuous every-day wear or gingham for (continued on page 40)



One room for many uses

*Solving a common modern problem
by careful choice of furniture*

THE COMBINED living and dining room is much discussed as a problem of modern living. Smaller houses, tiny apartments, scarcity of servants—these are some of the excuses so frequently offered to explain the need of the all-purpose room. But our grandmothers did not feel the necessity of apologizing for any such combination of living and dining arrangements, if we are to judge from some of the old houses still remaining in New England towns. In many homes one centrally located snug room was the heart of the household, a room where the family gathered and from which its many interests radiated.

On this room, "the sitting room," the best carpentry of the neighborhood had been expended in sturdy beams, fine paneling, and well-laid flooring. Here was

FLORENCE BROBECK

the most hospitable fireplace of the house, and here the treasures brought safely home on the clipper ships, the books, pictures, and trinkets cherished by the family, the rugs made by aunts and grandmothers, the most comfortable chairs, and the finest cabinetmaking were assembled.

Family prayers were said around the center table in this room; bounteous New England breakfasts, dinners, and suppers were laid on the cloth-covered board, while on wintry evenings when dishes and cloth were removed the family books were pored over or checkers or chess held the center of interest on it.

Philadelphia with its walnut and mahogany and fine English styles was still too remote to be consulted for the room's

furnishings, so the local chair maker was ordered to make four or six "seemly pieces, to paint them with flowers and foliage a little on the backs and to gild the turnings." These chairs were grouped around the center table when meals were served or at other times, for gambling and reading. Or they stood out of the way against the paneled walls.

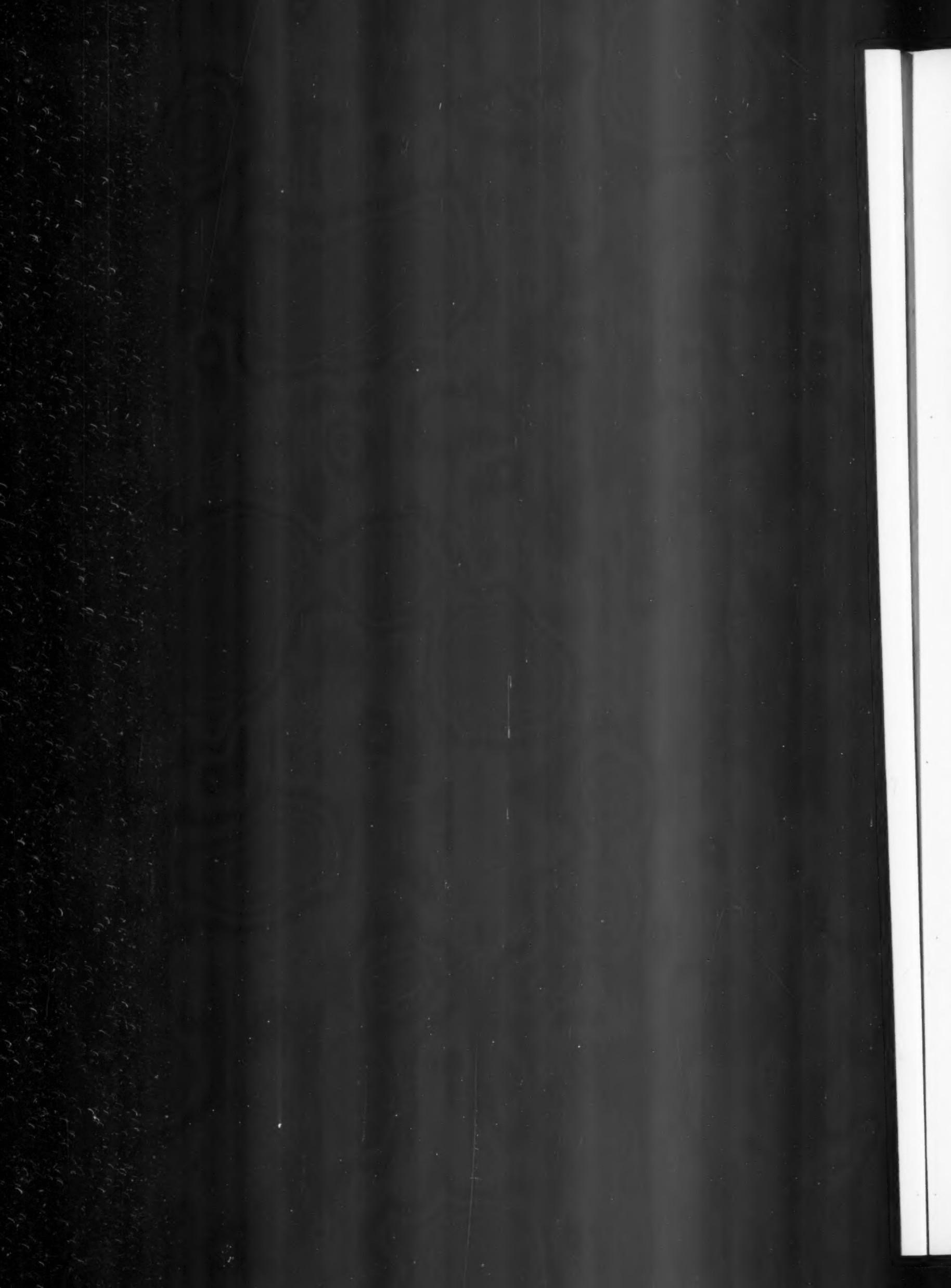
Shelves built into this paneling held books, porcelain jugs, teapots, and bowls, treasures from England, while cupboards below these shelves held wood for the fireplace, more books, as well as table covers, candles, maps, and many other accessories that the old-time housekeeper required for a properly ordered menage.

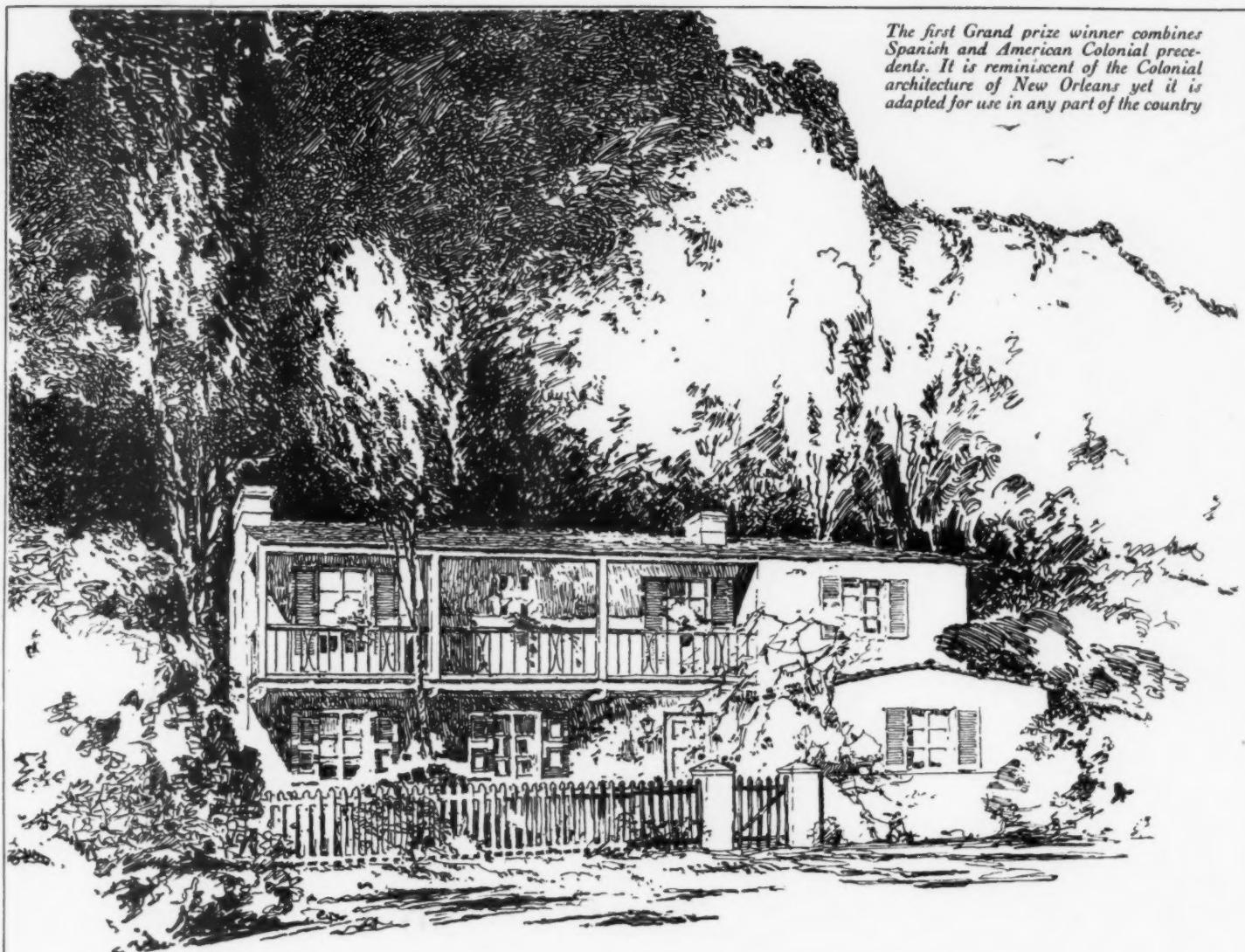
Such a room was indeed the living room of the house; it was also a reading and writing room, a (continued on page 84)



So naturally does this room adapt itself to varying uses as a library, a card room, or a dining room that each new aspect seems to be the one for which it was specifically designed and for which the furniture and decorative details were chosen (Photograph by Drix Duryea)



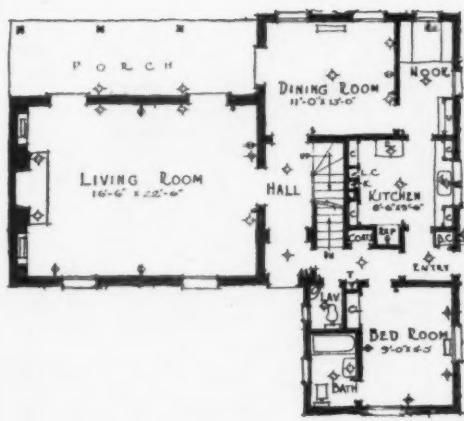




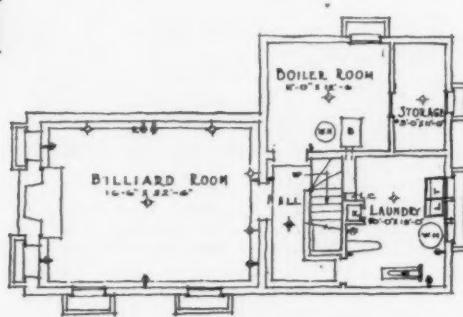
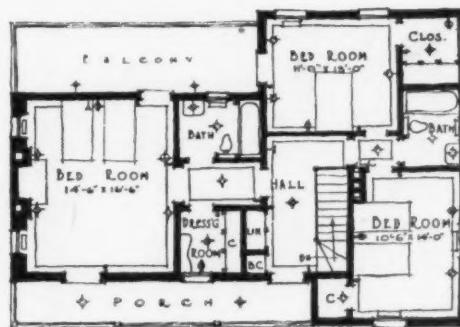
The first Grand prize winner combines Spanish and American Colonial precedents. It is reminiscent of the Colonial architecture of New Orleans yet it is adapted for use in any part of the country

THREE PRIZE WINNING HOUSES

*Awards in the 1929 National Better Homes
Architectural Competition*



In the 1929 National Better Homes architectural competition (described on page 3 of this issue) the first two grand prizes went to architects of Los Angeles, Cal., H. Roy Kelley and Harrison Clarke. The third prize was won by Amedeo Leone, of Detroit, Mich. There were also three prizes awarded in each of thirteen divisions of the United States



This house designed by H. Roy Kelley of Los Angeles, Cal., the first grand prize winner, contains 29,873 cubic feet. At fifty-five cents a cubic foot the estimated cost would be about \$16,500. The first floor plan, above, shows a bedroom and bath in the projecting ell, also a lavatory. Between kitchen and dining

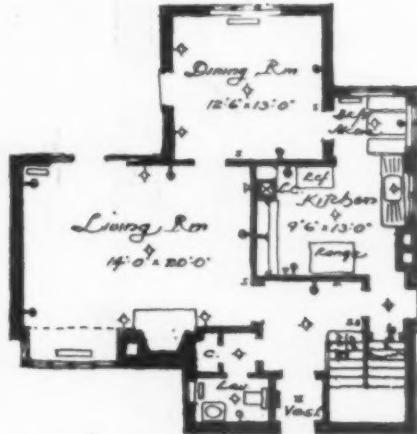
room is a breakfast nook. At left is the basement plan; the space under the ell is not excavated. Above is the second floor plan. The master's bedroom has two French doors, one opening on the porch and one on the balcony. Notice the very convenient arrangement of the bedrooms, baths, and hallways.



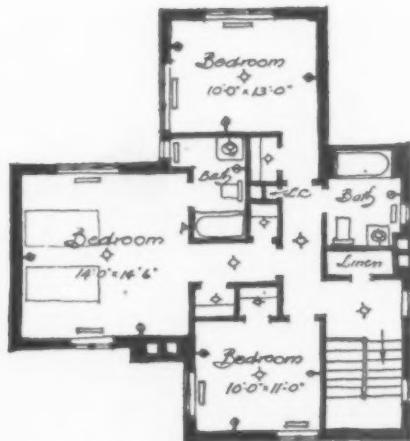
Amedeo Leone, of Detroit, Mich., winner of the third grand prize in the Better Homes competition, worked in the English cottage style which, with American Colonial, is one of our most popular architectural types

AN ENGLISH COTTAGE AWARDED THIRD PRIZE

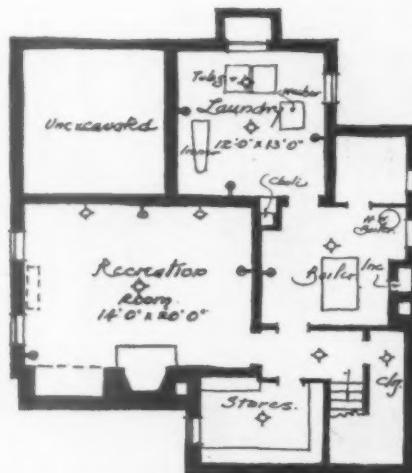
As in the Jacobean style, this design combines Gothic mass with Renaissance details



The first floor is simply arranged. There is a coal closet and lavatory directly at the left of the entrance; the stairs, up and down, are at the right. An attractive feature of the living room is the corner bay, which could be a conservatory



The cubage of this house is given as 26,963, which, at fifty-five cents a cubic foot, would make the estimated cost \$14,900. The second floor, shown above, has the same simplicity as the first. The master's bedroom has a bath attached



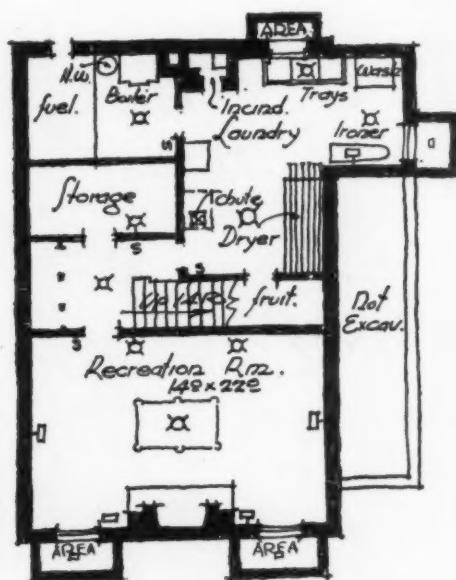
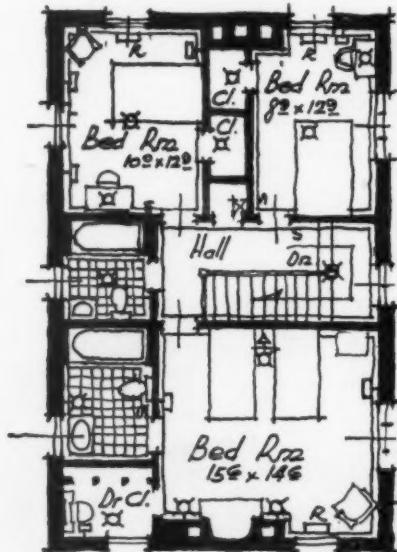
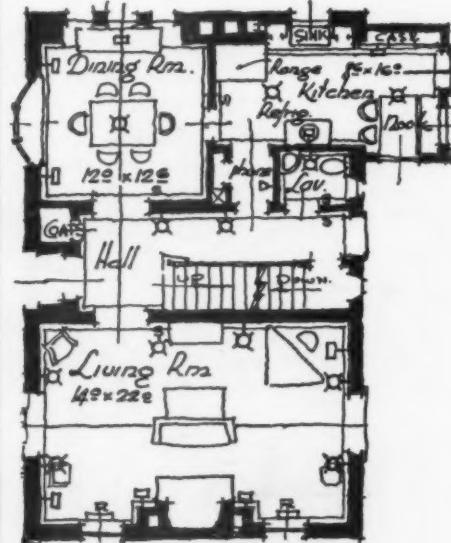
One of the implied conditions of this architectural competition was a cellar playroom, and the care with which this feature was handled in the various designs shows how simple it is to build an extra room into your home

The second grand prize was awarded to Harrison Clark of Los Angeles, Cal. His design, for those who are interested in architectural precedents, shows a rather strong French feeling in the proportions and in the treatment of the dormers.



A SUCCESSFUL STEP AWAY FROM STYLE

The second prize winner abandons tradition and develops a workable plan

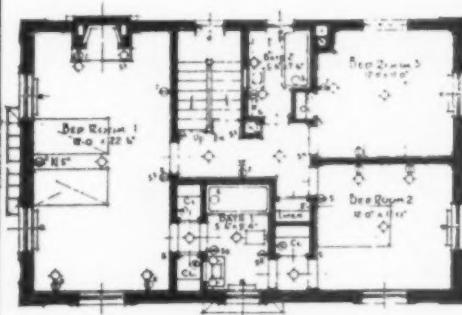


The rectangular mass of this house permits particularly good ventilation. Notice the three windows and door in the kitchen and breakfast nook, the bay window and casements in the dining room, which fronts on the street, and the well placed windows of the living room.

The master's bedroom has a fireplace and a bathroom attached, also a large closet which could be used as a dressing room. The other bedrooms have well planned closet space, and a large bathroom is conveniently situated at the end of the hall

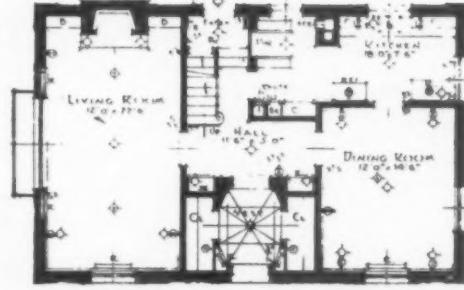
The cubical contents of this house are estimated at 26,793 which, at fifty-five cents a cubic foot, would bring the cost to about \$14,800. All the houses in this competition were supposed to incorporate the most efficient modern features such as incinerators, clothes chutes, etc.

In the North Atlantic States region one of the three prize awards was won by Carlos B. Barrigan and Earl Purdy of New York City, with their charming French manor type design shown at right. The proportions are true to precedent and the vertical accents in the windows, doors, and quoins are very French; likewise, the hip roof. This house could be built of brick, stone, or stucco

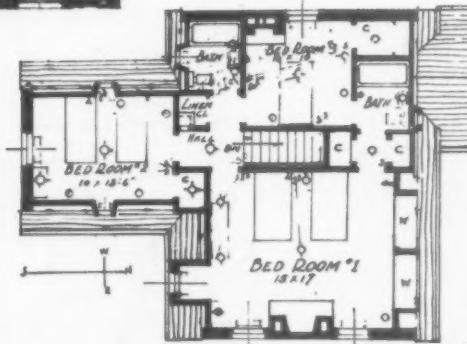


TWO DISTRICT WINNERS

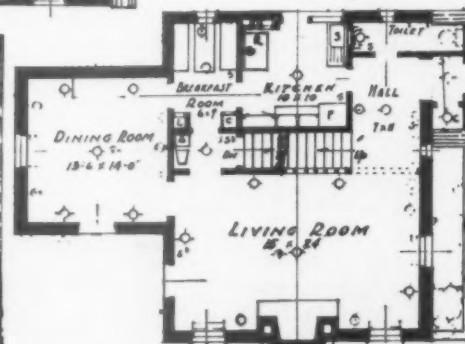
The cubage of this little French house is estimated at 27,000. At fifty-five cents a cubic foot, this would cost in the neighborhood of \$14,850. The plans, above and right, show the nice arrangement of rooms possible in a house of this shape. Notice that the house is divided into three even sections, each twelve feet wide, an economical feature



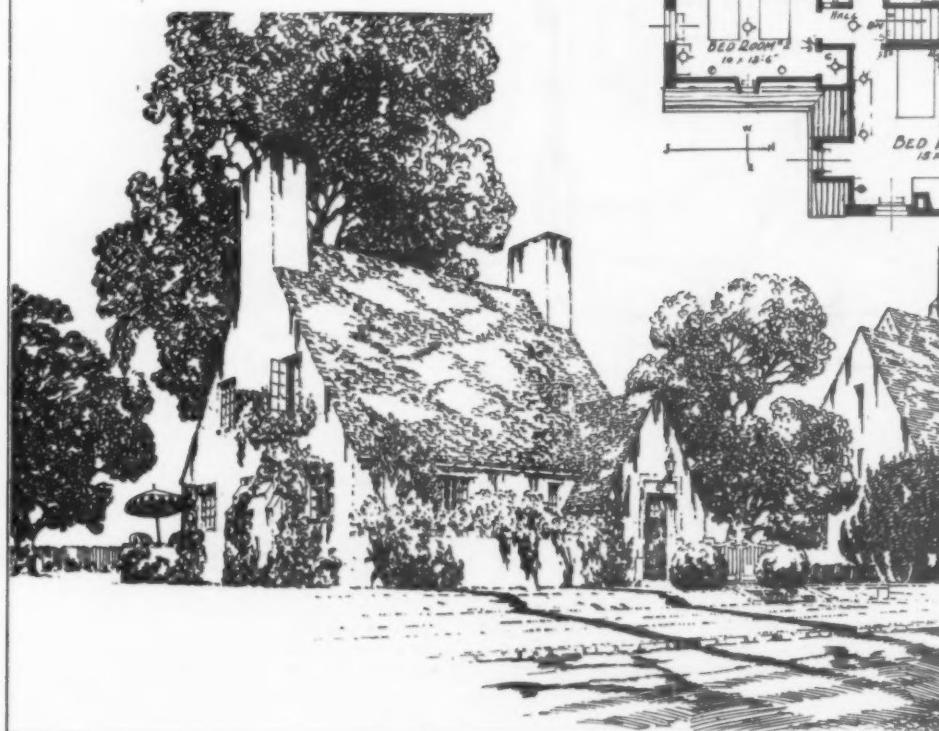
Houses that won honorable mention in the national competition and regional prizes in one of the thirteen divisions



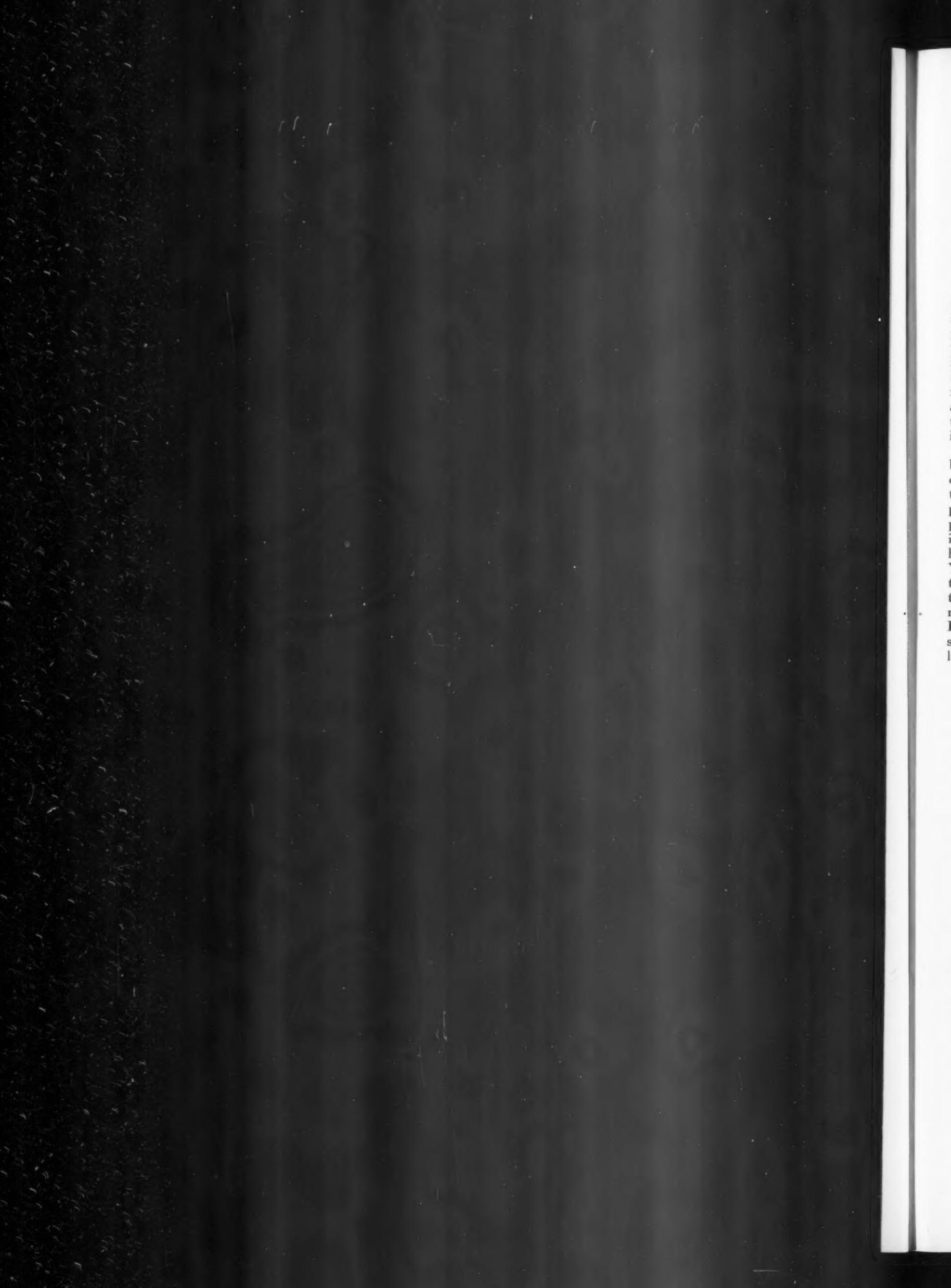
The plans of the prize winning cottage are shown at the left and below. The estimated cubical contents are 26,990 feet, which at fifty-five cents a cubic foot, would bring the estimated cost to \$14,900. Always a difficult feature in a small house, the stairs have, in this house, been particularly well handled. They take up the least possible room



Another of the prize winners in the North Atlantic States region was the striking cottage type shown at the left. This was designed by J. R. Rose and E. J. Hergenrolder of Pittsburgh, Pa. The long, steep roof and low eaves line are very popular elements of this type of design







When the house is ready for paint

*Quality materials and appropriate color schemes combine
to make the well-groomed house*

ELIZABETH HALLAM BOHN

THOSE of us who have spent the summer watching the new house go up or who are planning to repaint our homes are putting in long and interested hours over the manufacturers' paint cards. Scientific research in the paint industry has gone far toward solving paint problems, making of paint a lasting protective coating. And to this marked development in raw materials and finished product have been added the widest color range that home-building hearts could desire.

The color scheme we decide on will be more or less determined by the type of the house. The English cottage calls to mind brown timbers and neutral plaster, a far cry from the brilliant note possible on homes of Southern European inspiration. White for the small Colonial house has become almost standardized. Yet there were lovely homes of this type painted yellow in the old days. Or the soft silver gray of weathered wood may be captured in stain or paint for the Early American home, situated where soot or highway dust makes white a luxury. Within the limitations of what is

appropriate, there is considerable range for individual preference.

The surroundings, too, will influence the decision. Adjacent homes enter the picture and their color must be considered for complete harmony. The house deep among the trees can be treated with warm or brilliant tones to offset the play of light and shade, while an identical structure high on a wind blown hilltop will appear more safely anchored if tied to its surroundings by earthy colors. Houses by the sea take more kindly to vivid hues than do their more sober counterparts in town.

WE RECENTLY saw an interesting bit of camouflage which showed clearly how paint can change the whole effect of house construction. A lovely old home of classic lines glistened white against a background of tall dark pines, but a sleeping porch added on the back turned the pleasing outlines into top-heavy bulkiness. So the new addition was painted dark green. It blended into the

trees so unobtrusively that the architectural beauty of the house was unspoiled by this modern necessity.

From the general rules given in the paint manuals that light colors are used to make the small house larger and vice versa, that the house in shade should avoid darker tones and the large home on a small lot should wear a sober covering, many individual interpretations may be read. In the main the color scheme should be kept simple, for contrasting colors emphasize each other, and the variegated dwelling lacks repose.

The home service departments of the large paint companies stand ready to work out individual color schemes complete with body color, roof, trim, and blinds, if a description of the house and location is sent to them. But a far more interesting and concrete plan is to make a pilgrimage through neighborhoods similar to one's own. Most of us are "visual" minded. Seeing from the car a roof of distinctive shade, a set of blinds already in place, or the color we are perhaps considering most favorably applied to an attractive (continued on page 66)



A coat of paint accentuates the real beauty of a house as in this lovely Colonial home designed by James W. O'Connor, architect, for Mr. Artemus Holmes at Brookville, Long Island

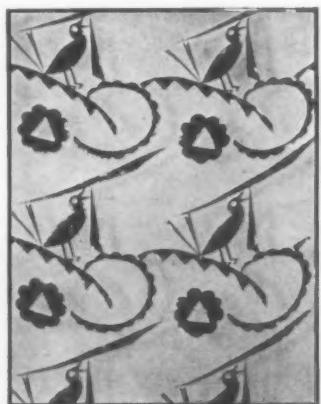


The furniture in this room for a child is of simple design, and color and interest is added through the wallpaper, the bright chintz slip cover on the old rocking-chair, and the cheerful cushions and upholstery of the day bed (Photograph by Mattie Edwards Hewitt)

Furniture and fabrics for the nursery

JANE TEN BROECK

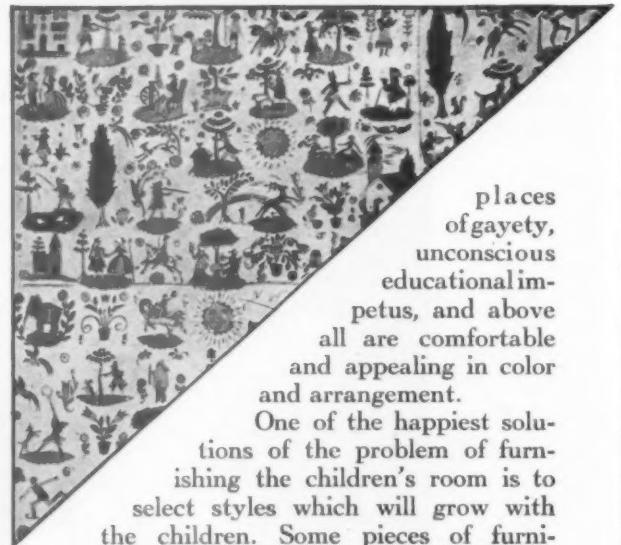
PERHAPS the wide-spread interest in child psychology, behaviorism, and the many phases of child hygiene and child welfare have influenced modern decorators in creating rooms for the enjoyment of children. Pink-bow sentiment has been replaced by intelligent, loving interest in the children's comfort and happiness so that the most satisfactory rooms to-day are, regardless of style and decoration,



"Once upon a Time" (above at right), a vivid and arresting linen designed by Tony Sarg, defies the room in which it is used to be indifferent or sober in tone

A pert and garrulous looking bird of gay plumage holds the center of attention in the fabric above (center) by his audacious coloring and impudent air
(Courtesy of Shelton Looms)

Another Tony Sarg creation (at left) is hand printed in happy colors, and depicts the evolution of toys from the simple early ones to those of to-day



places of gayety, unconscious educational impetus, and above all are comfortable and appealing in color and arrangement.

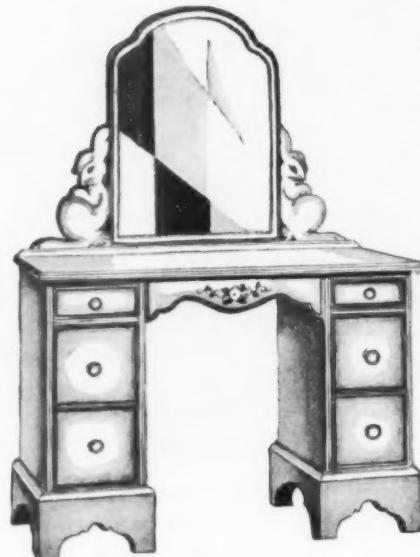
One of the happiest solutions of the problem of furnishing the children's room is to select styles which will grow with the children. Some pieces of furniture may grow literally, as well as figuratively. Children's beds now available in nursery furniture sets are made with the side boards in two or three lengths, so that as young Michael's legs grow longer, his bed grows with him, the second or third set of side boards replacing the short boards which were a part of his bed when first bought. Even dresser legs and desk legs and clothes trees are of the extension variety to make themselves taller as the children grow from eight-year-old to the supremely adult height of fourteen.

Beautiful period reproductions, in children's furniture are available in fine woods and good craftsmanship. There are also many (continued on page 62)

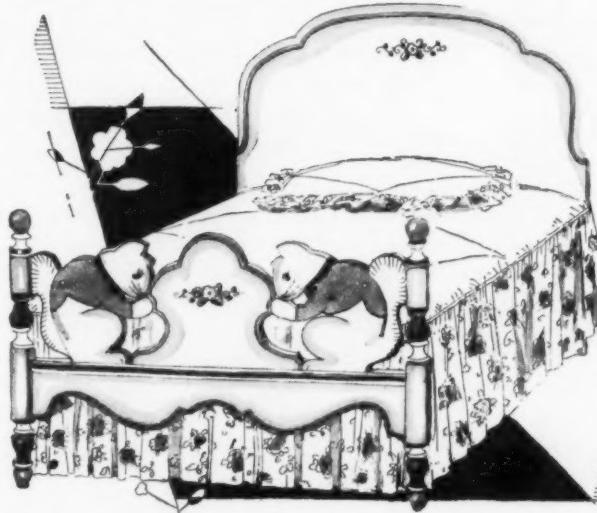
WHEN WE ARE VERY YOUNG

In childhood's realm the furniture is designed to appeal to youth

Illustrations by courtesy of Northern Furniture Co.



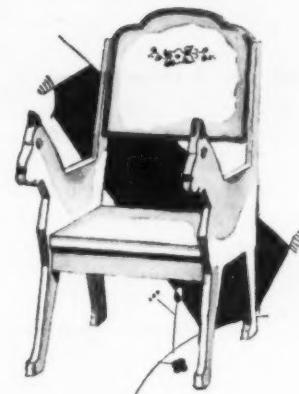
The mirror of this dresser is supported by indolent white rabbits that face the world with an air of indifferent unconcern



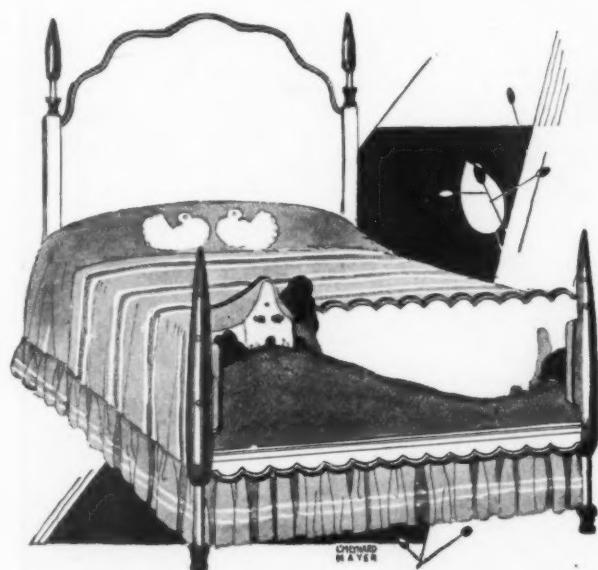
Two jaunty squirrels frisk at the foot of this bed



The clothes tree (left) is completely surrounded by a family of ducks



Sedate and prim pussies form the arms of a comfortable chair



A little country house on a knoll with gay flowers, trees, and a broad sweep of lawn is the decorative motif of another set of furniture for the children's room. Slender flowering trees form the posts and legs of the furniture



A pair of kittens stare at each other solemnly over the top of this chest of drawers. The Early American inspiration of this furniture is particularly noticeable in the base and feet of this piece and those of the dresser

Oil as fuel for your furnace

*Convenience and comfort are found in the new burners
which, of course, have thermostatic controls*

MOST people seeking information about oil burners ask at some time, "Are oil burners perfected?" Probably these people mean to ask if oil burners are out of the experimental stage of their development, for it is obvious that oil-heating equipment is no more nearly perfect to-day than the automobile, the telephone, or the radio.

OIL burners of to-day are, however, so far removed from their ancestors of 1918 and 1919 that the name is almost all they have in common. The first device for burning oil was listed by the Underwriters' Laboratories in 1918. Within the next few years thousands of people saw an opportunity to become captains of industry in a new and unexplored field. Untold hundreds of inventors, mechanics, and near-mechanics set to work in basements and barns to build oil burners. By 1926 there were about 600 oil burner "manufacturers" making from one to 8000 machines a year. Mechanical and financial difficulties

A. E. COBURN

have sent most of these "manufacturers" into other fields, and to-day there are about one hundred burners listed as standard by the Underwriters' Laboratories.

An oil burner may be likened to the carburetor, vacuum tank, and spark-plugs of an automobile. Its function is to get the oil, prepare it for combustion, and see that it is burned properly, and at the right time. This is done automatically and without attention on the part of the home owner. The fuel used is an oil a little lighter or thinner than the crank-case oil used in automobiles. *It is not explosive* and will not burn unless it is atomized or vaporized by heat. The function of the oil burner is to break up the oil by spraying it, in order that it may be burned.

The modern oil burner is operated by a small electric motor, about the size of the conventional vacuum cleaner or electric fan motor. This generally operates a pump and a fan or blower.

The pump takes oil from the storage tank and sprays it into the firebox of the boiler or furnace. At the same time the fan or blower supplies sufficient air to make the burning of the oil possible, and the mixture is ignited by an electric spark, a gas flame, or an electric heating element. As the oil burns, the heat is imparted to the water in the boiler or the air around the furnace, which heats the rooms in the same way a coal fire does.

The real value of modern oil heat lies in its automatic operation. The brain of the system is its controls, which dictate when the burner shall operate. These controls consist of a thermostat, which tells the burner when heat is needed in the house, and a set of safety controls, which act as policemen and whose business it is to see that the burner's conduct is satisfactory.

THE thermostat, generally located on the living-room wall, is sensitive to temperature. When heat is needed to maintain the temperature for which it is set, this instrument (continued on page 46)



The oil burner, eliminating the dirt and dust of coal, makes possible the utilization of space in the basement for reading or recreation rooms



When the deed to your house is delivered to you and the transaction is closed, be sure that your title policy is not made worthless by a series of exceptions

Guideposts for property buyers

Legal safeguards when closing title that bring protection and satisfaction

IN ANCIENT England the transfer of title to real estate was marked by highly formal ceremonials. The vendor and the purchaser met on the land to be conveyed, and after the scrivener had prepared a deed on a strip of parchment the vendor cut a twig from a standing tree and tendered it to the purchaser. Then the deed was impressed with the seal of the seller, and everyone knew that formal title had been passed.

To-day, the closing of title is not quite so formal, but it may seem equally mysterious to the layman. The vendor and the purchaser, their respective attorneys, and the title company's "closer" sit around a table and talk of exceptions, covenants, and the apportionment of taxes. To the uninitiated it may all seem strange, but actually it is a simple business transaction devoid of mystery and meaningless ceremonials.

The essential business of a title closing is the delivery of the deed by the seller and the payment of the purchase price

ALBERT W. FRIBOURG

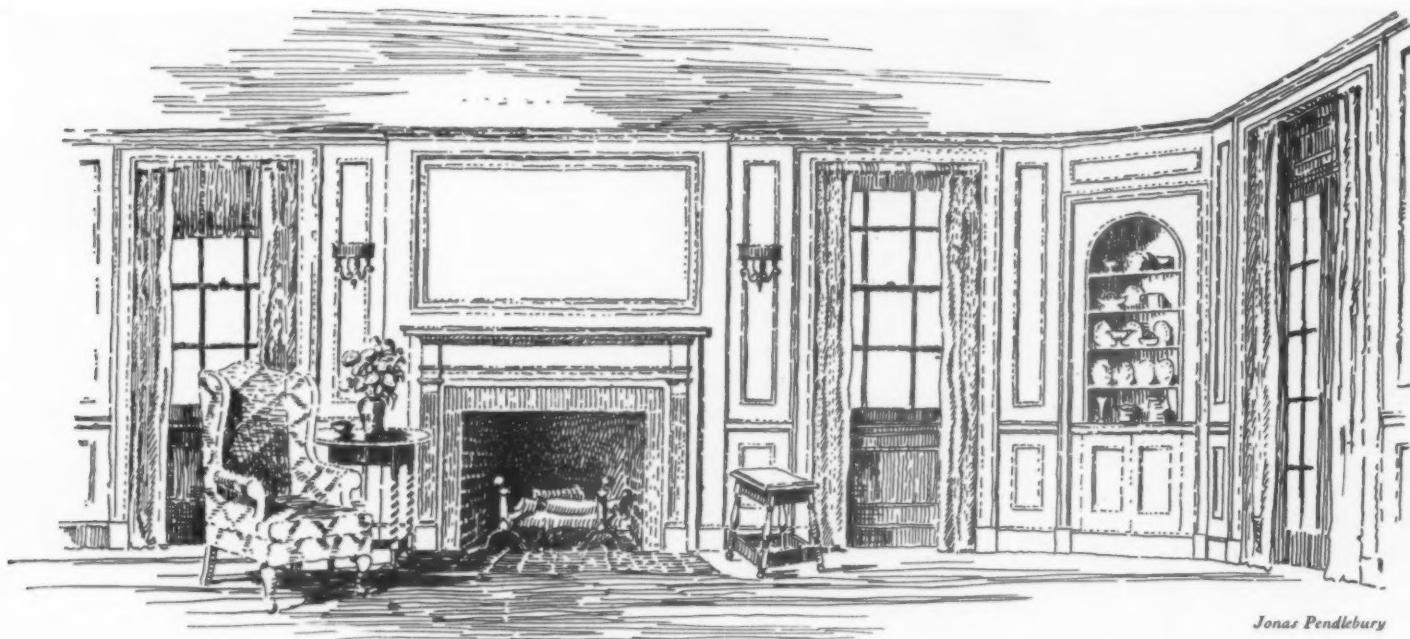
Member of New York State Bar

by the purchaser. But seldom does a closing consist solely of this simple exchange. It is complicated by many details which must be satisfactorily adjusted before the sale is consummated.

Some of these details are of a highly technical nature with which no one but a lawyer is competent to deal. You should, therefore, never permit the real estate broker who negotiated the sale to represent you at the title closing. He is a specialist in selling property and he knows his specialty from alpha to omega. But he is not a specialist in the law of real property. He has neither the knowledge nor the facilities for disposing of the problems that are likely to arise upon a closing. More than this, he is the employee of the seller; his compensation is to come from the seller and it is only natural to expect that he has the interest of the seller nearest to his heart. If anyone is to be represented by the real es-

tate broker, it should be the seller, and certainly, not the purchaser.

And now, lest you think that I am trying to do a service to my brother lawyers, I shall indicate how it is possible to close a title without employing an attorney. If you live in a locality in which title companies operate, you will probably arrange, shortly after signing the contract, to have a title company make a search and issue a title insurance policy which will afford you maximum protection. At the closing, the title company will be represented by a man known as a "title closer." His function is primarily to protect the interests of his company and to see that it does not issue a policy upon a title which is obviously defective. It is, therefore, necessary for him to pass upon each of the objections to the title which his company's search has revealed. It is his duty, likewise, to see that the deed which is delivered to you is properly drawn and executed. To a great extent, therefore, you can rely upon (continued on page 62)



This Colonial living room was designed and drawn from patterns supplied by manufacturers. The corner cupboard, the windows, the mantelpiece, and, of course, the moldings and chair rail are all carried in stock

Ready-made woodwork for your house

*What manufacturers are doing to enable you to
buy architectural beauty by the yard*

HENRY HUMPHREY

IT IS no longer necessary for the home builder to pay extra money for the manufacture of the wood-work which is to go in his home. And it is no longer necessary for the architect to use an unwarranted amount of time in designing and specifying the moldings, window sash, doors, even the corner cupboards, which are to be used. The architect can pick the designs out of a catalogue in his file. He can order his wood-work direct from the factory and be sure that when it arrives it will be as specified and will be all ready to use.

Five, or possibly ten, years ago there were clever architects who were proud to say they had discovered the possibilities of stock woodwork. Before that time the designs turned out by the wood-working mills were held in abhorrence by all first class architects. Stock woodwork meant standardization and, for the matter of that, who could possibly consider using one of the execrable stock designs?

THESE protests were made at the time when architecture led all the other arts on the road to rehabilitation. Since that time good design has become a necessary concomitant of good sales. It is possible to sell unlovely materials for use in contractor-built houses, and it is possible to sell such houses to a certain section of

the people, but no woodworking concern would be content with only this market. And in reaching the other market they have to turn out a product pleasing to the architects.

The first ones to see that woodworkers had mended their ways were the clever architects of nearly a decade ago, who found that they could work in stock designs in their houses, thus saving money, which could be spent on improved materials elsewhere. It required a little thought on the part of the architect; sometimes the stock design would have to be modified, or be used in a different way than planned, but absolute familiarity with the wood manufacturer's catalogues made it possible for architects to do very fine, inexpensive work. And there was no longer talk of standardization. For as the architects patronized the manufacturers, the latter replied by furnishing the architects with enough designs so that the possibility of two houses being identical became remote.

It was said, too, that the use of stock designs would weaken the ability of the architect. In the late William Morris days, architects were supposed to design everything including the kitchen clock. It is a laudable enterprise. One of

our very best architects still designs interiors, as well as exteriors, but he does not do as much work as a good many lesser-known men.

Woodwork for interior decoration came into popularity in the Middle Ages. Previously stone or plaster, or one of these materials hung with arras, had been the accepted interior finish. Wood was used for doors and portcullises only.

HOWEVER, in that great home-building era of the sixteenth century, comparable to the great home-building movement of the present day, when erstwhile knights decided to try living at home instead of always being out on the road, it was found that stone and plaster were cold to live with. It hadn't mattered before, because only the women had lived at home, but now it was different. Comfort, instead of impregnability, became the most desired feature of a house. The result was that floors were laid and walls were sheathed with wood. The next stage, of course, was decoration of the wood. In this way evolved that exquisite linen-fold pattern which remains as one of the most beautiful features of Gothic decoration.

A dark wood, oak particularly, since there was a great (continued on page 70)

Rigid floorings

*Materials which look
and wear like rock*

GERALD LYNTON KAUFMAN

Photographs by Mattie Edwards Hewitt

IN THE first article of this series, which appeared in the September number of THE AMERICAN HOME, one of the professional secrets of good flooring was revealed. The secret is of sufficient importance to make it worth while recalling even to those readers of the former installment who might bring the charge of repetition.

"Watch the underfloor"—that is all there is to it. There lies the greatest secret of a good flooring job. For it is obvious that no matter how fine the material selected for the finished flooring, and no matter how carefully it is laid, the entire piece of work will be ruined just as soon as cracks, warping, swelling, and uneven surfaces start to make their appearance from the faulty underfloor used as a foundation. The importance of a good underflooring job was stressed in the article on wood flooring; yet this part of the construction becomes even more worthy of study when we are considering the preparation required for finished floors of cement, slate, tile, or other rigid material.

"Watch the underfloor." This is a slogan for the guidance of architects and builders, or the masons and carpen-

Composition floors are light and easily laid. Many color combinations are possible



The textures possible in a slate or bluestone floor make them very popular for porches



ters who do the actual work; surely it is not up to the owner to be so technical. We wonder . . . There is certainly a line to be drawn somewhere; but just where? Undoubtedly somewhere between two extremes. The line is for each owner to draw for himself, yet the extremes may be easily pointed out. On one side is the extreme of indifference, where an owner nonchalantly approves a sketch floor plan and a "pretty-picture perspective," and then feels his only remaining obligation to his own comfort and welfare is that of signing the contract and paying the bills! The other is the extreme of solicitousness, where an owner asks the architect to explain every joist size, asks the builder to reveal every detail of his business, and counts the number of nails put in by each carpenter.

Somewhere between these two extremes may be found the amount of attention that an owner should give to the underflooring for various rooms in his house. Those who tend toward the former extreme may skip the few following paragraphs; those who tend toward the latter will wish the advice given were still further detailed and more technical. Our own line, however, is drawn about halfway between.

What are the major considerations, then, for underfloors for tile, slate, cement, magnesite composition, and other rigid floorings? The subject divides itself into three parts, depending upon structural conditions. *First:* Underfloors on fill, poured directly over natural earth or rock. *Second:* *(continued on page 56)*



Clever handling of the inexpensive cement floor will make it as attractive as other rigid floorings



The house where space is open and there are many doorways and windows may be kept at an even comfortable temperature if the right methods of caring for the fire are followed

Getting the most out of your heating plant

Proper care and correct firing methods will help to maintain a high percentage of efficiency

WHILE manufacturers and heating contractors have cooperated in giving the home owner a good product and a high grade installation, the functioning of the heating system and the satisfaction that it will give are up to the owner. A simple test which any home owner can make when his new home is turned over to him by the contractor will show whether the heating system is functioning as it should, that is, if the circulation of vapor, steam, or water is uniform and positive to all parts of the radiator heating system. Start a fire under the boiler and see if all the radiators heat up uniformly and promptly. There should not be more than from three to five minutes difference between the time the radiator farthest from the heating plant warms and the time that the radiator nearest the boiler warms.

The home owner should inspect his new plant to see that all dampers are true and tight. The heater base must be tight and grounded to the floor so that

NORMAN J. RADDER

no air leakage into the ash pit can occur at this point.

Grates, which years ago were a bugbear in heating plant operation, have now been improved to the point where, with proper care, they should last the life of the house. All that is necessary is that the home owner give proper attention to the method of firing and frequency of ash removal. Heating contractors have found that ninety-nine per cent. of grates that burn out do so because too great a quantity of ashes is allowed to accumulate below the grate.

ACCUMULATION of ashes cuts off the free circulation of air. Consequently the grates get too hot and burn out. Because of variations in fuel, it is impossible to give any definite rules regarding frequency of the removal of ashes. Some types of coal make very little ash; other kinds make considerable, and the owner

who uses this type of fuel must remove the ashes from the pit every day. Certainly an accumulation of ashes to within five inches of the grate level is dangerous.

Many home owners are under a misapprehension regarding methods of checking the fire in mild weather. Checking should not be done by allowing the ashes to accumulate under the grate. Even in mild weather this practice is dangerous. Ashes should be allowed to accumulate upon, not under the grate.

Grates must not be shaken too long nor too violently. Clinkers must be removed with as little disturbance of the fire as possible. Never shake or disturb a very low fire until fresh fuel has been added and has been ignited. The fuel pot should always be kept full, with the fire surface at least at the level of the fire door.

The grates must be true and not warped. They should move easily and have no broken places for coal to drop through. Unburned (continued on page 64)

Shrubs that flower in midwinter

*Surprising as it may seem, there are even
two natives for you to plant*

THE absence of foliage and blossom in winter is accepted as a matter of course in northern latitudes and no one ventures out to pick flowers in his backyard. Yet how lovely it would be if one could do just this very thing; if there were a shrub here and there that burst into bloom in spite of biting winds and snowy drifts. How lovely if from your dining room window in your yard you could see against a background of dense evergreens brilliant yellow flowers, not just one or two, but whole branches laden with them. Ah, yes! but shrubs do not bloom in winter you will be saying.

This general impression is not altogether correct for we have four very closely related plants that do bloom when most other plants are dormant, and three of them have flowers during midwinter.

THE Witch-hazels (which are better known by their extract than by the plants that furnish it) are in my mind. The feature about them that interests us, however, is the fact that they bloom late in the fall and in the winter with bright yellow flowers and are not injured if the temperature goes to zero.

E. H. FULLING
New York Botanical Garden

Of the four different known Witch-hazels two are wild in the United States. In damp moist woods from Canada to Florida and westward to Texas, if one sees a leafless shrub during September and October, or later, whose branches are laden with bright yellow flowers and brown dried capsules it is certain to be the Witch-hazel. This particular species (*Hamamelis virginiana*) is the only one that does not bloom during the winter but lays claim to being the last shrub to flower during the year. The flowers appear at about the time that the leaves fall. The plants may attain a height of twenty-five feet but as a rule they are much lower and broadly spreading shrubs.

If one is in the Ozark Mountains in Missouri, or in Oklahoma or northern Louisiana he may find a Witch-hazel blooming from January to March and differing from the more common plants in addition to blooming later by having the flowers red or purple inside and smaller. Such plants are of the other native species known as the Ozark Witch-hazel (*H. vernalis*). The plants rarely

are over six feet in height and their flowers are the smallest and least conspicuous of any of the family.

This species and the two remaining ones, one of which comes from Japan and the other from China, are the only true winter blooming shrubs in northern latitudes.

THE Chinese Witch-hazel (*H. mollis*) which may attain a height of twenty feet or more, has fragrant flowers whose deep yellow petals are suffused with red at the base especially on the outer surface. The leaves, moreover, are very hairy. It blooms from January to March.

The Japanese species (*H. Japonica*) has lemon yellow petals, is not so hairy as the preceding, and its flowers, too, are purplish or yellow inside. It differs from the Ozark Witch-hazel in its larger flowers.

All these Witch-hazels are fairly easy of cultivation and thrive best in somewhat moist, peaty, and sandy soil. The Japanese species likes a more sunny position than the American and is less moisture loving. They may be propagated from seed (which does not germinate until the second year after formation) and by layering. (Continued on page 90)



The common or Virginia Witch-hazel might well be given a corner in your garden, to be seen from the house windows for its yellow flowers

Give the bulbs a fair chance!

*Good soil, good food, and good handling
now assure good spring bloom*

F. F. ROCKWELL

WHILE it is true that the spring flowering bulbs as a class are the easiest of all flowers to grow, yet it is possible to make mistakes in their culture. Moreover, it is one thing to plant bulbs so that they will merely bloom, and quite another to handle them in a way that will give the very best possible results. There are so few doubtful factors in growing spring blooming bulbs, as compared with most other flowers, that if you start with good bulbs and use correct planting methods, very nearly perfect results are almost a mathematical certainty!

With bulbs, as with anything else, there are differences in quality, and there is usually some relation between quality and price. Good bulbs may be had without paying the very highest prices; but the bulb buyer who hunts only for bargains is quite likely to buy bargains instead of good bulbs. The bulb crop in Holland, severely injured by the excessive cold weather of the past winter, is shorter than it

has been for several seasons, and prices are higher. Inferior products will find their way on to the market. Therefore, *caveat emptor!*

One can judge something of the quality of bulbs by a physical examination. They should be firm, sound, and plump. Examine the bases of the bulbs (particularly of Daffodils) to see if they are firm and healthy; softness and discoloration are an indication, if not always a

proof, of disease. Many bulbs—including Tulips and Daffodils, which are the most important—contain a complete embryo flower when ready for planting. By cutting a bulb through from top to bottom it is easy to determine whether it was good. If this embryo flower has turned black from "heating" in transit, sterilization, improper curing, or any other cause, the bulb cannot possibly bloom the first season after planting, even though it may grow.

The size of the bulb, other things being equal, is important. One may expect finer blooms from large and heavy Tulips, Daffodils, Crocuses, and the smaller things such as Grape Hyacinths and Scillas. Keep in mind, however, that some varieties naturally make much larger bulbs than others. In Hyacinths I prefer medium-sized bulbs because the flower stalks are not so likely to be top heavy, and are more graceful in form; and, incidentally, they are much less expensive than the "Exhibition" sized bulbs. (Continued on page 116)



Plant Madonna Lily (above) just as soon as the bulbs can be had because they must make a fall rosette of leaves



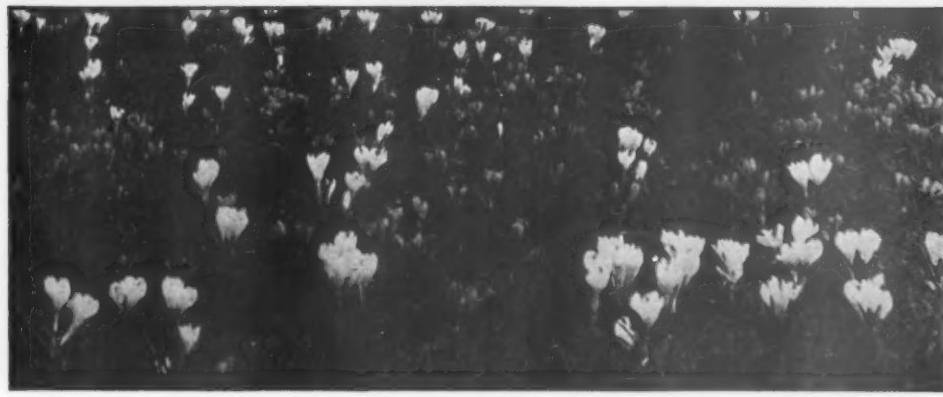
Hyacinths (center) will give a delicious fragrance to the spring garden. Plant deeply and mulch for the winter



Tulips are the popular reliable, indeed. They can be planted any time until quite late in the fall



Poet's Narcissus blooms late and likes a fairly heavy soil that does not dry out too much



Crocus is a perky little flower, white, purple, or yellow that looks well in grass. Don't cut foliage till it is ripe

Other kinds of Narcissus, or Daffodil will do better in other soils. All of these should be planted early

Try sowing Sweet-peas in the fall

*The roots get a chance to grow
before warm weather*

G. W. KERR

IN LOCALITIES where it is impossible to work the soil until spring is well advanced, and the sowing of seeds is therefore so long delayed that the plants have to struggle against the great heat of late spring and early summer, fall sowing offers a way out for the home gardener who would grow Sweet-peas successfully.

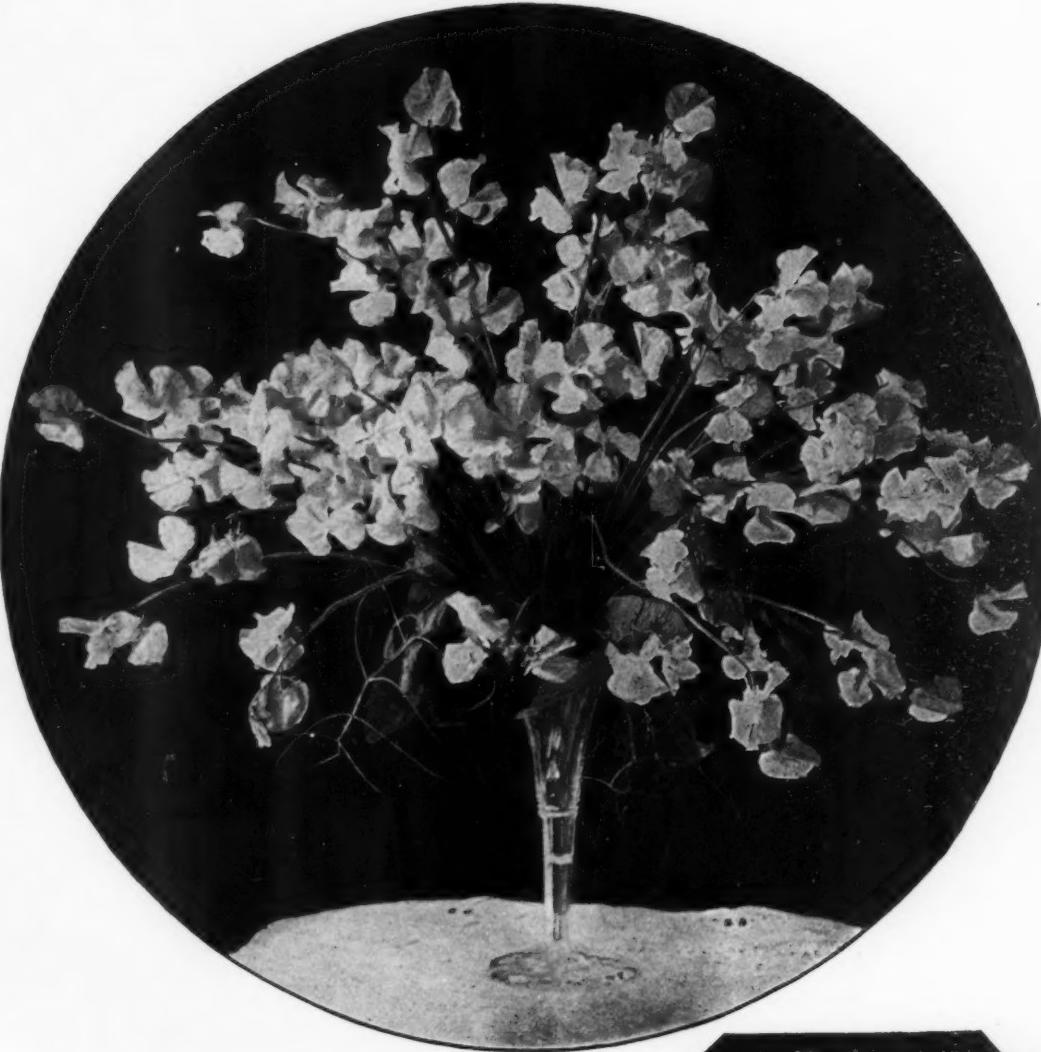
Sweet-peas are at their best under comparatively cool conditions where the roots receive sufficient moisture to keep the plants growing and healthy. If we can so arrange our plantings that the vines may get an early start while the weather is still cool, the roots will find their way to the moist subsoil and are thus in a condition to keep the heavy top growth of vines in a vigorous condition.

It is to cover such conditions that so many gardeners now practice fall planting, sowing the seed from late September until mid-November, according to locality and method of culture.

Never sow on ground that is naturally damp, or where rains and melting snows do not drain away quickly, for superfluous moisture during the winter months spells disaster.

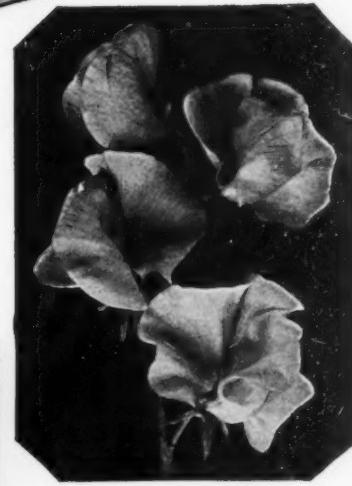
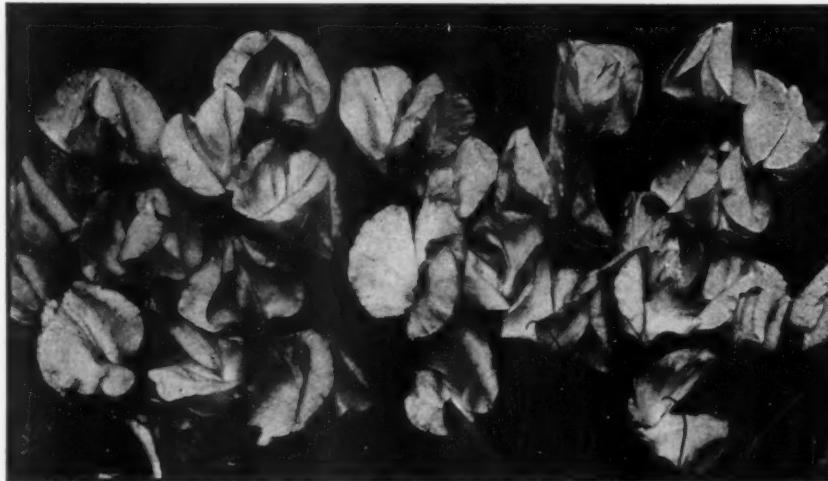
It must be admitted that fall sowing made directly in the open is not always an unqualified success though failures can usually be avoided by selecting a suitable location and planting as suggested.

The date of sowing depends upon the method of protection. Where a simple mulch of strawy litter or marsh hay is to be spread over the rows after the ground is frozen, the seed is sown as late as possible or just before freezing weather is looked for. Our date (near Philadelphia) for this planting is the second week in November, the soil having been prepared some time previous. According to the weather following this operation, the seed may germinate before severe weather is with us, but it rarely happens that the seedlings show through the surface be-



fore the ground is frozen hard. When this does happen, a heavy mulch of litter is spread over the rows to prevent the protected soil from thawing out until spring and to hold the little plants that are underground safely in "cold storage."

The danger of seed rotting is guarded against by sowing in pure sand. The seed furrow is drawn out (*continued on page 90*)



Perhaps the best all purpose annual is the Sweet-pea, good for the garden, decorative, and unsurpassed for the table vase. Sow some this fall and get extra early bloom in spring



Native over a very wide area and adaptable to others, our Black Walnut is, of course, a most reliable tree and long-lived too

Plant a walnut tree for shade

*To say nothing of the annual harvest
of rich-flavored nuts*

ACH of us should sit under his own vine and Walnut tree, because the proverbial Fig tree grows in only a small part of this country. But where the Fig stops, the Walnut tree begins. The claim is made that native Walnuts grow in every state of the United States. This is probably not true of any other tree.

Over all this immense territory the native American Walnut is known as "Black" Walnut, and it is unusual for any tree or plant to have the same common name over so wide a range. This is because the native Walnut is an unusual

H. R. MOSNAT

tree and cannot easily be mistaken for anything else. The tree that resembles it the closest is the Butternut, called also the "White" Walnut. The Butternut is a hardier tree than even the Walnut, growing further north well into Canada, and at higher elevations than the American Walnut.

Walnuts make excellent shade trees, and the foliage is of tropical appearance, but not so dense but that the lawn will grow right up to the very trunk.

All over the corn belt, native Walnut

trees are very much at home, especially along the smaller rivers and larger creeks, where the soil is fertile, but subject to floods from time to time, which the trees do not mind. These are just the lands that it would not pay to protect by dikes or to drain, as the acreage is so small that the land cannot be cultivated, but it would pay well if set to Walnuts. Or it might be more truthfully said, restored to Walnut trees, as most of these lands have been cut for their valuable lumber.

The estimate has been made that in the corn belt there is a (*continued on page 86*)

Home shrub-making made easy

*Cuttings taken in fall are means
of increasing your favorites*

ALEX LAURIE
Ohio State College

YES! It's quite practical and really not difficult for the individual amateur gardener to multiply his stock of many of the finer shrubs by planting severed parts in the right way. These severed parts are known as "cuttings" and may be portions of stems or roots, usually taken in the fall of the year after the growth has become matured.

Many of our deciduous shrubs and even trees are ordinarily propagated in the nurseries by means of "hardwood" cuttings. These are made of portions of twigs of the current season's growth, six to ten inches in length for convenience, taken off the parent plant, after the leaves have dropped and growth has become dormant. The separating cut is best made just below a node at the base and should contain four to six "eyes" or dormant buds. If the work be delayed until so late in the season that the material is completely frozen, the cuttings must be carefully thawed by placing them in cold water or in a cellar with a temperature only slightly above freezing.

The professional worker usually puts up his cuttings in bundles of twenty-five or more which are packed in a moistened sand, sphagnum moss, or peat, and stored in a cool cellar. These bundles may, however, be buried in an open, sandy place, where drainage is perfect and alternate freezing and thawing does not occur. It is customary to place these cuttings with the butt ends up, but that is not essential. The reasons advanced for this placing are that better aeration, greater heat, and the natural upward flow of sap will facilitate callus formation. This may or may not be true, especially since the formation of early callus may result in its drying out and subsequent injury. My suggestion is to place the little bundles in a cool cellar, especially since many of the plants you are likely to work on will root without the preliminary callus formation; and in fact the roots rarely come out of the callus, anyhow!

In the spring you take up these cuttings and set them out in rows deep enough so that only the top-

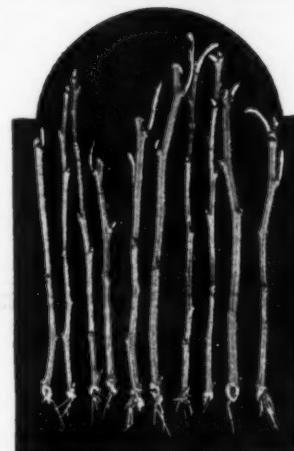


Parts taken from some trees and shrubs in fall and buried in earth all winter will root in spring. Right: Pear three weeks in peat 100 per cent rooted

It's real fun to grow some of your own plants from home made cuttings of your favorite shrubs



So many forms of ornamental Evergreens—Junipers, Yews, Arborvitae, etc.—do not come true from seed and must be increased by cuttings of hardwood in spring or fall



These Evergreen cuttings (Juniper cuttings illustrated here) may even be taken in winter during a thaw, but never when actually frozen.



Here we have the Bittersweet, rooted easily in half sand half peat from spring hardwood cuttings. If taken in fall, bury for the winter

Euonymus is very certain to root in almost any medium, and a regular supply of young plants is simple (E. alatus shown from fall hardwood)

most bud is visible above the ground. A well-drained, fertile, sandy soil is preferable. The distance apart in the row will vary with the kind of plant but usually six inches to eight inches will suffice.

It goes without saying that well-pulverized soil is necessary for this planting out so that the tissues at base are not bruised. Therefore it is well to dig a trench, rather than to attempt to force the cuttings into the ground. Once in, a mulch of litter or peat will conserve moisture and help give the young plants a vigorous start. A perfect percentage of success should not (continued on page 84)

Popular shrubs for present planting

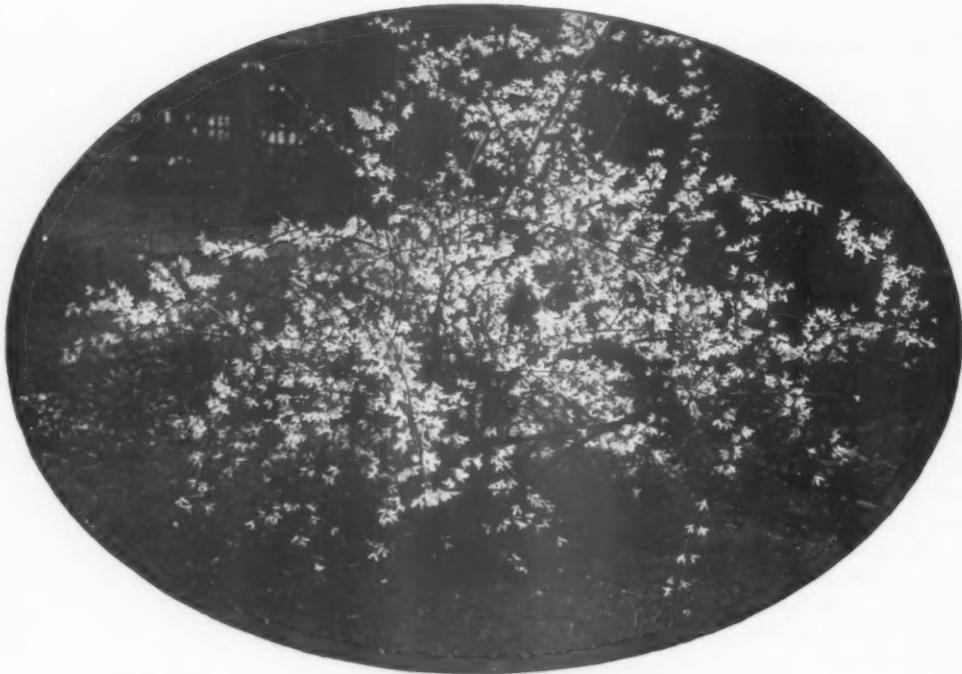
*An easily grown half dozen for
any section of the country*

A. W. ANDERSON McCULLY

OF ALL the things that I have planted, the flowering shrubs have given the largest mass of bloom for the least outlay of both labor and cash. If we were thinking only of cut flowers, we might go through the lists, choosing one shrub for each month in the year. Unfortunately these twelve shrubs planted haphazardly, and chosen only for their time of bloom, would be very likely to give us a strangely spotted and unsatisfactory effect in the garden.

If we may have but twelve shrubs, our garden effect will be far more pleasing if we limit our kinds to four at the very most, and mass these various kinds in groups. Circumstances occasionally alter any general directions; but this is a warning to choose a few, rather than all, and to select those most adapted to the conditions of your own garden, or your own personal preferences. If, like me, you have an overwhelming curiosity to see what every plant you ever heard of is going to do in your own garden, you might do as I do, and form your groups from cuttings, even seeds sometimes—that is, if you have much optimistic faith in the natural span of human life!

The United States covers such a very broad range of climate, it is not an easy matter to select a group of flowering shrubs that will be equally satisfactory. Of those suggested here, the native Northwestern Heather (*Phyllodoce empetrifolia*) and the Elderberry will be most satisfactory for gardens of the



Golden Bell, Forsythia, is one of the very early spring blooms, and cut branches brought indoors are easily forced into flower in winter



The white Mockoranges for midsummer are now a large host, the modern hybrids offering a variety of forms, some of which bloom twice in the year



Ceanothus is a native that suggests the Lilac and has not been given the place it deserves



The bold white flower heads of Elderberry adorn and really redeem a waste corner, and the shrub has no special needs

severe north; the Viburnum, Mockorange, and Forsythia pretty generally satisfactory throughout; and the western Evergreen Ceanothus best in warmer gardens, though there are particular varieties as later mentioned among these families for particular farther north or south planting.

Of these, the Elderberry and some of the Viburnums make the largest and boldest masses; the Western Heather the smallest. The Western Heather and Ceanothus are evergreen; the Forsythia and Elderberry deciduous; the Mockorange also deciduous with a few rare, half-hardy exceptions; and the Viburnum mostly deciduous, though with some notable exceptions such as the fine, but only partially hardy, evergreen Laurustinus. The Viburnums, with the Elderberries a close second, give us the best effects in brilliant autumn foliage and bright berries. In general, we have whites or creams from these and the Mockoranges; pink to red from the Heather; primrose to deep yellow from the Forsythia; and true blue to lilac, also white, from the Ceanothus.

Important as climate is, it will not entirely decide your choice. Flowering shrubs differ tremendously from one another in their habits, manners, and be-

• TUDOR

A hand-blocked linen
of royal design

A famous queen embroidered
the original . . .

BEAUTIFUL, brilliant, endowed with great personal charm, Mary, Queen of Scots, is one of the most fascinating women in history. Even the plots and intrigues which incessantly troubled her life, failed to break her fearless spirit. Courageous to the last ill-fated moment . . . she ascended the scaffold in full court dress with the proud air and composure of a reigning queen.

Copied from a famous panel embroidered by this versatile woman . . . Tudor is a pattern rich in historical associations. The Lily of France, the English Rose, and the Scotch Thistle dominate its design. In the original which hangs in historic Hardwick Hall, the ancestral home of the Dukes of Devonshire, one of the small round panels bears her monogram ensigned with the crown.

To maintain the characteristic features of this royal specimen of sixteenth century handicraft . . . we have chosen a heavy peasant linen on which to print it. In a number of beautiful color combinations.

In the Schumacher collections you will find exceptional fabrics for every decorative purpose and period . . . Your decorator, upholsterer, or the decorating service of your department store will gladly obtain samples for you.

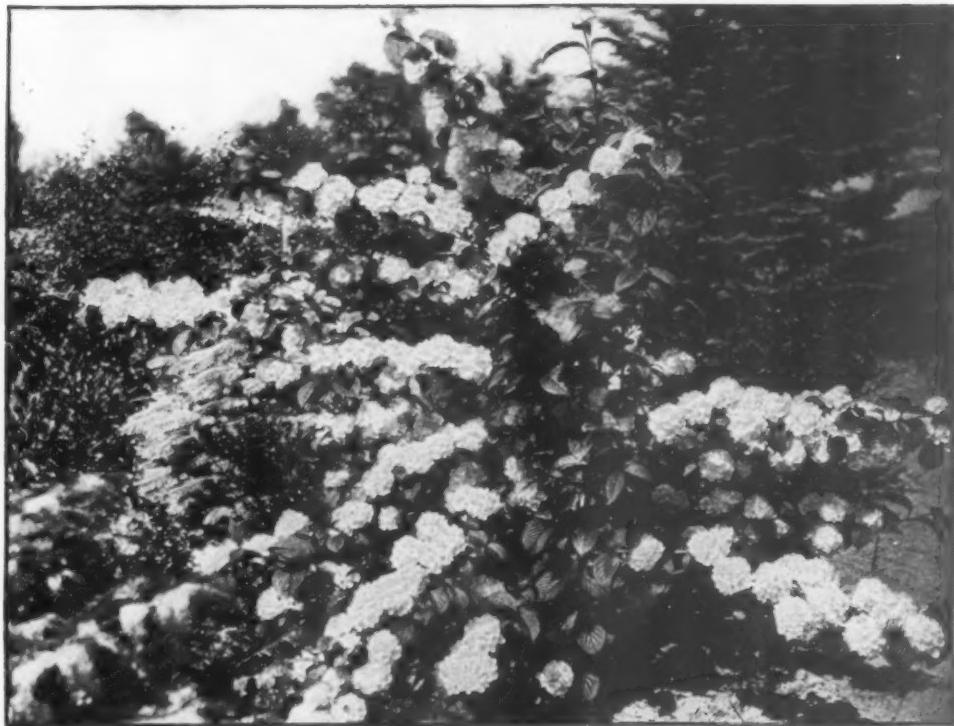
*"Fabrics—The Key to
Successful Decoration"*

This helpful booklet will be sent to you without charge upon request. It is planned to help the woman who wishes her home to be successfully decorated, but has not the time or the inclination to make a deep study of interior decoration. F. Schumacher & Co., Dept. D-10, 60 West 40th Street, New York, Importers, Manufacturers, and Distributors to the trade only of decorative drapery and upholstery fabrics. Offices also in Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, and Detroit.



Embroidered by Mary, Queen of Scots . . . the original of this Tudor design hangs in famous Hardwick Hall, one of the fine mansions erected by Elizabeth, Countess of Shrewsbury . . . the "Bess of Hardwick" of history.

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The Japan Snowball is a much better plant than the old kind and is less likely to harbor insects.

havior. It is just as important to have congenial neighbors in your garden as it is to have congenial members in your family. Sturdy, rampant, self-assertive shrubs, while very necessary for places of hardship or barrier lines, soon discourage the daintier and less robust ones that we need in more curtailed spaces, or among plants of lesser size.

Among the sturdy barrier flowering shrubs that we may plant in the fall, there is probably no family of greater value than the Elderberry (*Sambucus*). North America has given us several very good species and varieties, in both red and blue berried forms, that make fine background shrubs, screens, or large untrimmed hedges, as well as bold masses. Much is claimed for the one known as the Adams Elderberry on account of its great profusion of bloom and fruit.

THE *Sambucus* gives us not only large and showy panicles of creamy white flowers in early summer, but later these are followed by attractive fruits that are in most varieties considerably prized for cooking and beverage purposes, though so far as I know, these come from the blue berried varieties, which are in reality more purplish or black. We also have red, yellow, and bluish-white berried native forms: but if you are purchasing a border specimen, I suggest the Adams variety. If you are planting a large screen, hedge, or cover for rougher ground, you will find whatever native variety is at hand an extremely good choice for the purpose. The majority of them attain a height of about twelve feet. They are not particular as to situation

and will accept almost any condition; though their best efforts are in response to their real preference for a moist rich soil, and a place in the sun. Colonies of them are not difficult to obtain, as they grow rather rapidly, and are readily propagated from suckers, cuttings of either mature or growing wood, or root cuttings. They may also be raised from fresh seed, but this is slower.

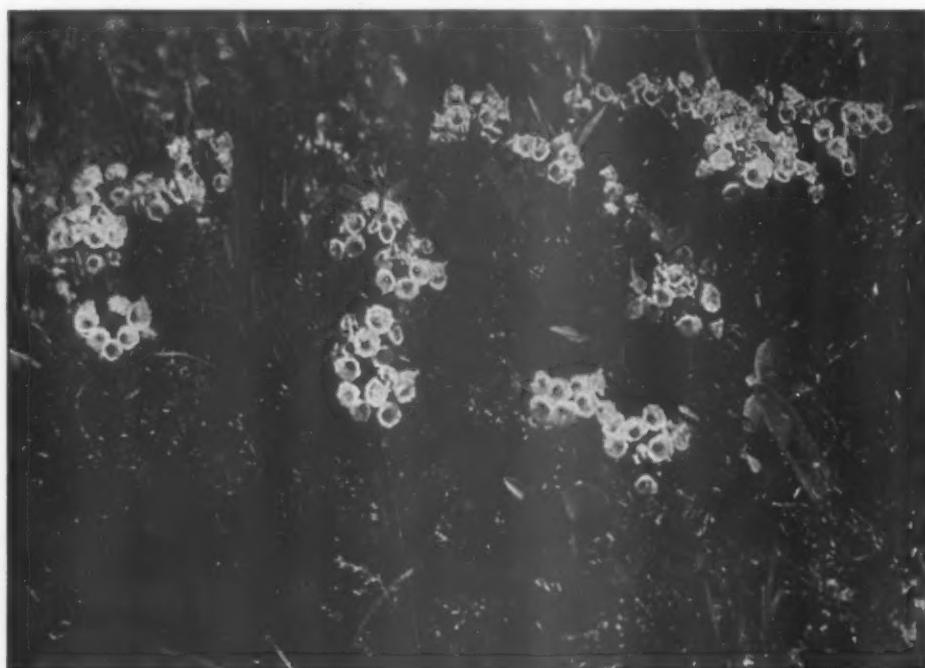
If a lower and smaller shrub than the Elderberry is desired for rough planting, we have a very good offering in the native Red Heather of the Northwest.

This botanically is *Phyllodoce empetrifolia*, and not a true *Erica*: but most of us garden mortals are not bringing forth the microscope to determine classifications. This is a plant of the great mountains of the Northwest, and climbing high upon their rugged slopes, does not often attain there a height of more than eighteen inches, but tends to double this in lowland gardens.

IT HAS the attractive evergreen foliage of the Heaths, and splendid heads of small wide bell-like flowers from May to July. In cultivation, often upon the mountains themselves, the bloom completely hides the foliage. This is a plant for northern gardens; it is perfectly hardy, but it demands cool air and craves moisture. It does not like lime and has considerable taste for peat, though I have found it often in great colonies upon steep slopes of granitic gravel. It is harder, sturdier, and bolder than are the Heathers we have in general cultivation, the individual flowers larger. It will be better for some protection from midday sun and is rather valuable for bringing close to trees provided it has some moisture. This Heather and Rhododendrons would be mutually helpful to each other. It is valuable for nooks or masses in the rock garden, as well as for bolder massing where a sturdy low flowering shrub is desired.

I have found Red Heather rooting readily from summer cuttings, even those abused by being taken in the high mountains with no packing or wrapping, and suffering two days of hand carrying in the hot sun to reach a lowland garden.

The great *Viburnum* family is sure, among its many (continued on page 118)



The native Mountain Heath (*Phyllodoce empetrifolia*) is a Western visitor to be encouraged in a place where peat and moist partial shade can be given

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pine tree

... beautifully simple... symbolic of the stalwart worth of the pine. And on the reverse side... the Pine Tree image which appeared on America's first silver coin... the Pine Tree Shilling... and stamped it genuine... solid silver.

minuet

... just to look upon its simple, fine lines, its smooth-flowing curves, its exquisite scroll pediment is to remember that America can boast, in its Colonial period, a perfect flowering of the arts.

wedgwood

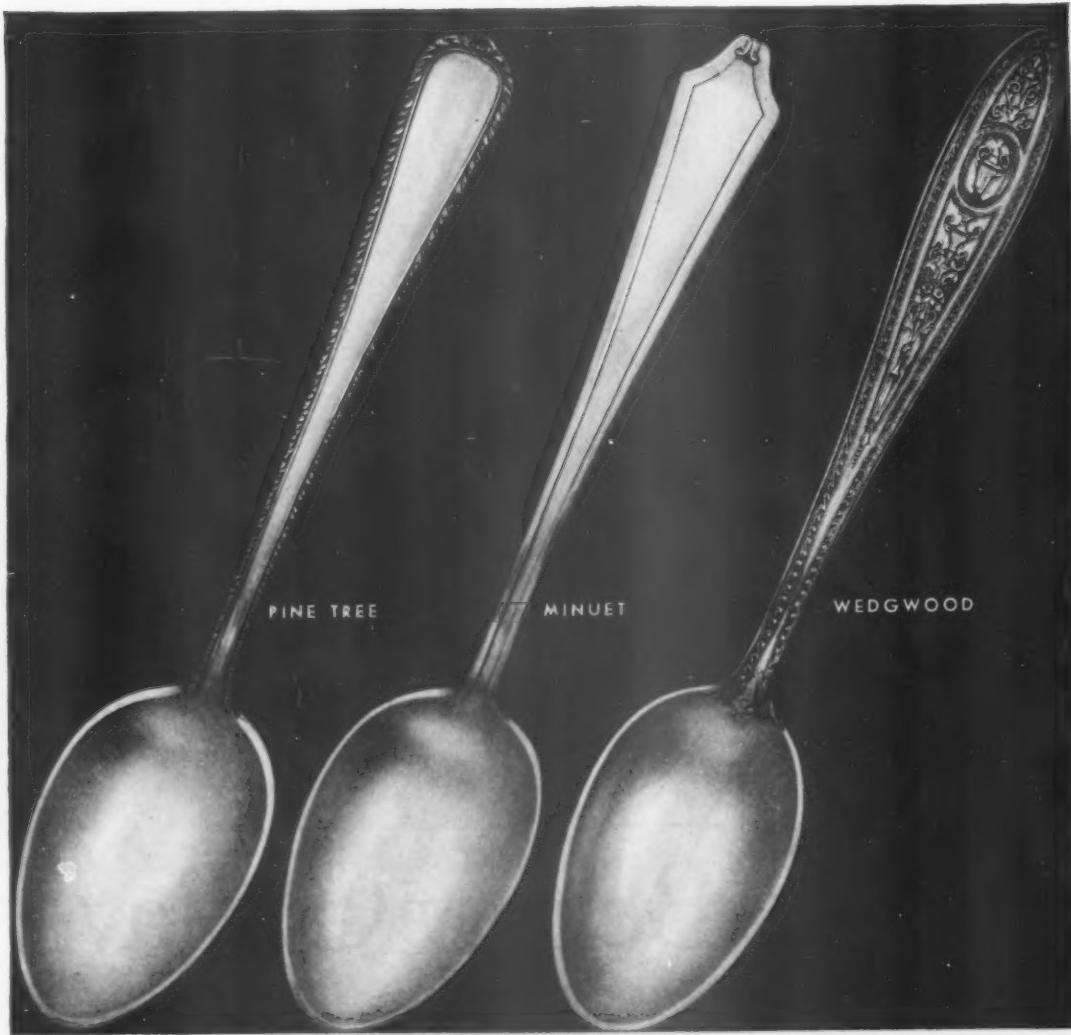
... delicate as a bit of lace... or the Wedgwood pottery which gave it its name. Here is silver for a gentlewoman whose tastes run to tea roses and Chopin and Fragonard. Against fine linens... silver which "belongs."

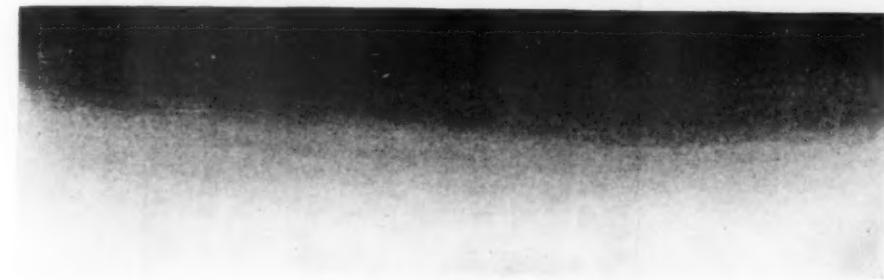
trianon

... a pattern which, like many a charming lady, is of two minds. For in it, surely, one traces the Greek. And yet there is... just as unmistakably... the French. As in the Grand Trianon at Versailles... here is a perfect blending of the two.

fontaine

... magnificent in its superb detail! French... in the finest manner of France. Reminiscent of the rich court of the Louis'... yet at home in any setting of good taste.





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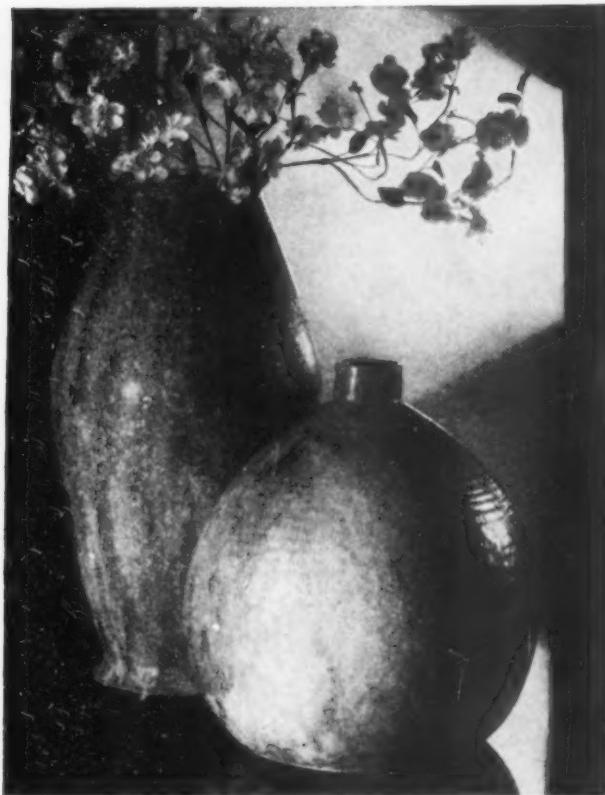
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The dresser as well as the corner cupboards in the dining room is a specially designed piece in the old New England manner

POTTERY that you will love as the years come and go is so enticingly created by Roseville master craftsmen.

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Fascinating and adorable . . . Roseville Pottery is always new, unusual, distinctive. Into your home these lovely pieces bring a beauty that never ceases to be admired . . . and you will find they are wonderfully appreciated as gifts.

Vases, flower bowls, jars, candlesticks, wallpockets . . . mighty interesting selections await you at leading stores. Ask to see the displays of Roseville Pottery.

A copy of the richly illustrated booklet, "Pottery," will be mailed you free on request. Write for your copy.

THE ROSEVILLE POTTERY COMPANY, Zanesville, Ohio

ROSEVILLE POTTERY

any antique shop of the less expensive kind, or may be had in good reproductions. Nevertheless, the arrangement and combination have given the room a quiet and modest distinction that cannot be traced to any one or two objects, but comes from the common effect of all taken together and their manner of combination.

The dining room, seen either from the hall or from within, continues the same tone of restraint. Besides the handsome walnut trestle dining table and the chairs, the only important object of movable furniture in the room is the dresser or buffet with a garnish of platters, pewter, and copper. Designed in the old New England manner, with receding waved side pieces raking back from the cupboard base, this dresser is made of pine, wax finished, and corresponds with the pine dado and the pine cupboards with shell-topped niches, built in and canted across the opposite corners of the room. Both the dresser and the

pair of built-in corner cupboards are specially designed pieces of considerable distinction, and they are sufficient by themselves to make the room without the addition of anything else except the dining table and chairs. The wall above the dado is covered with a small-patterned paper of cheerful coloring and there is an Oriental rug on the floor.

If there is any one object lesson to be gained from this group of interiors, it is this: it is not necessary to have expensive or unusual pieces of furniture in order to furnish a house well or to give it a really individual character. The unusual and expensive pieces may be never so desirable; they are undeniably desirable, but they are not essential.

There can be just as much art and judgment displayed in taking the usual everyday things and using them well as there can be when one has an unlimited field to draw from. Restraint is an indispensable factor of style.

Putting character into curtains

Continued from page 14

formal evening gowns. Yet every day mistakes, just as absurd and ridiculous, are made in selecting draperies. Starting out with nothing more definite than a vague notion of color and even that "carried in our eye" we are confronted with a bewildering array of fabrics and colors. We become confused and seeing them merely as fabrics and not as an integral part of our homes, we decide that this or that is "extremely good looking," that it will not "fight" with what we already have and buy it, without a thought as to its appropriateness for the rôle it must play.

Never has there been such an amazing variety of fabrics to help achieve the effect you want as this fall. Never has there been an opportunity to do so much with so little curtain money.

Favorite old fabrics appear in new guises and new fabrics appear in gratifyingly moderate price ranges, so that for every need and every purse there is something that will be just right. Our American manufacturers are making excellent substitutes for the expensive imported fabrics. Damasks, mohairs, and taffetas are cleverly mixed with rayon or cotton, not sacrificing one whit of their old time loveliness yet costing a fraction of their price when procurable only in pure silk. And for informal use, never has there been such a variety of subtle rich colorings and designs, once found only in expensive English chintzes.

In addition to these fabrics are many others popular for formal rooms. There are linens, embroidered and (continued on page 44)

L
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Lumber, now grade-marked and trade-marked, makes splendid improvements in the home, at a small cost.

LOVELY built-in closets of wood . . . at once a decoration and a great convenience for any home. A built-in buffet and china closet . . . or a combination china closet and kitchenette—both made of wood.

It's wonderful what a help such equipment can be in saving time and steps. No new home should



A combination china closet and kitchenette that greatly simplifies kitchen work and the serving of quick meals.

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*California White & Sugar Pine Manufacturers Association, San Francisco, Calif.—California Pines, White Fir
Hardwood Manufacturers Institute, Memphis, Tenn.—Oak, Gum, Southern and Appalachian Hardwoods,
*Tennessee Aromatic Red Cedar
*North Carolina Pine Assn., Norfolk, Va.—North Carolina Pine
*Northern Hemlock & Hardwood Manufacturers Association, Oshkosh, Wis.—Hemlock, Maple, Birch and Northern Hardwoods
*Northern Pine Manufacturers Association, Minneapolis, Minn.—White Pine, Norway Pine
*Southern Cypress Manufacturers Association, Jacksonville, Fla.—Cypress and Tupelo

ever be planned without them. And it is simple to have them built into your present home.

Lumber is very economical. Many helpful ideas are illustrated with working drawings in the new free booklet, "Modern Home Interiors." Write or send the coupon below for it.

The latest forward step of the Lumber Industry, *guaranteed* lumber, will greatly simplify your building plans.

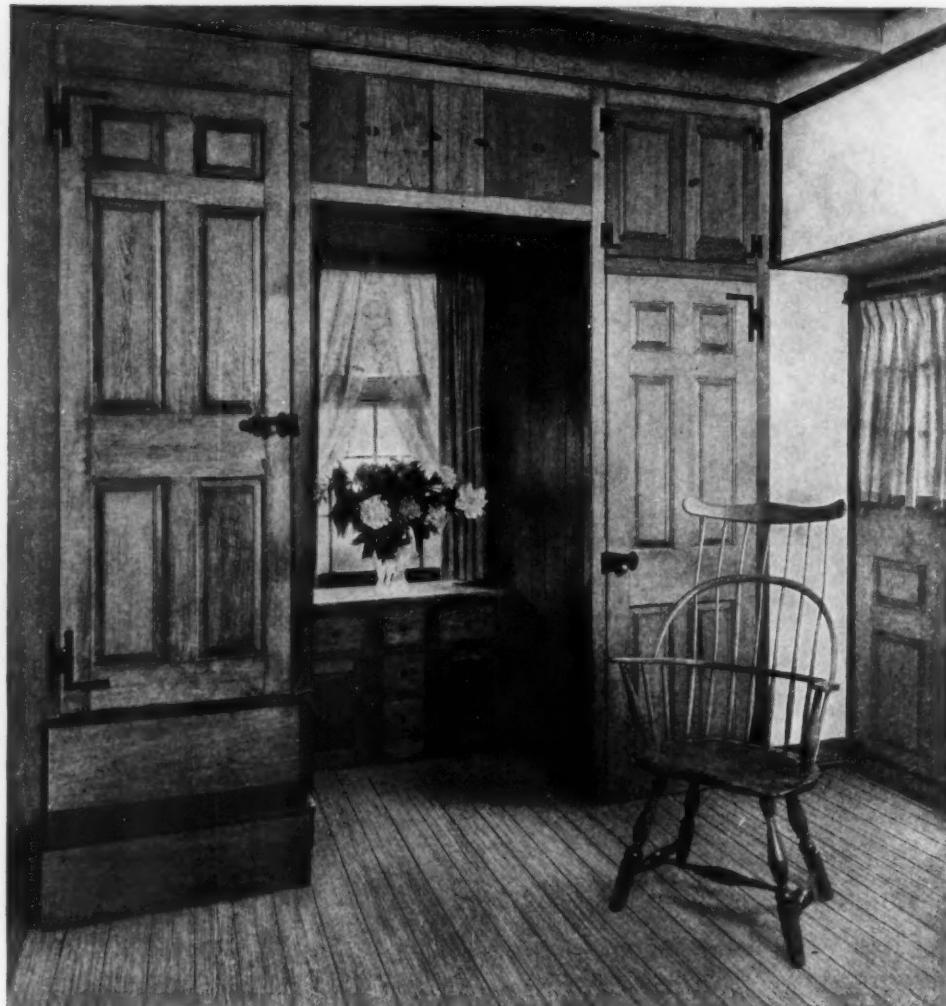
"American Standard Lumber from America's Best Mills" is now available grade-marked and trade-marked. If you want ready assurance of standard quality, look for the mark of the expert grader on each board.

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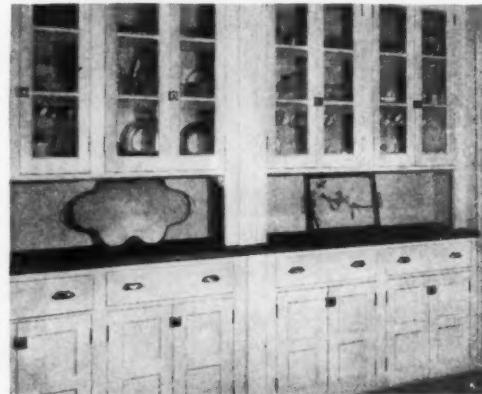
When the "Tree-Mark," shown below is also stamped on the board, it signifies the *guarantee* of the National Association that the lumber is correctly grade-marked.

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*Southern Pine Association, New Orleans, La.—Long Leaf and Short Leaf Southern Yellow Pine
*West Coast Lumbermen's Association, Seattle, Wash.—Douglas Fir, Sitka Spruce, West Coast Hemlock, Western Red Cedar
†Western Pine Manufacturers Association, Portland, Ore.—Pondosa Pine, Idaho White Pine, Larch
National American Wholesale Lumber Association, New York, N.Y.
National Association of Wooden Box Manufacturers, Chicago, Ill.
*Maple Flooring Manufacturers Association, Chicago, Ill.
British Columbia Lumber and Shingle Manufacturers, Ltd., Vancouver, B.C.
British Columbia Loggers Association, Vancouver, B.C.
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American Wood Preservers' Association, Chicago, Ill.
*Oak Flooring Manufacturers Association of the United States, Chicago, Ill.
*Grade- and trade-marked lumber available in these species
†Trade-marked lumber available in these species



(Above) This charming arrangement of closets and drawers is done in the Early American manner.



A china closet, with buffet, drawers and cabinets—a great help in keeping the kitchen "spick and span."

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Concrete Masonry for Fine Homes

Facts for Those About to Build

ACTUALLY, what is "concrete masonry"? This thoroughly modern building material is the subject of country-wide interest and inquiry. Wherever finer homes are being planned and built, it is a topic of conversation.

Entirely new and distinctive architectural motifs are making their appearance. Radical, yet pleasing, departures from age-old precedent are causing most favorable comment. Few developments in building materials have contributed so noticeably to a new and higher standard not alone in beauty, but in the more substantial elements of strength, permanence and fire-safety.

But, first, what is "concrete masonry"? Fundamentally, it is concrete made into standard units, commonly called concrete block; or concrete building tile.

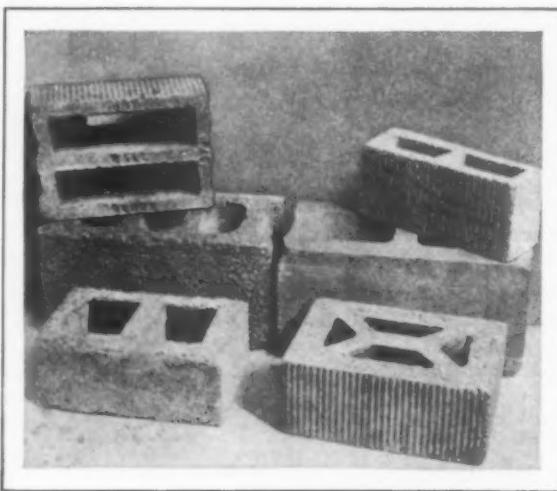
The manufacture of these units is a specialized industry, well-organized and thoroughly reliable. Concrete masonry units are made by mixing portland cement with water and other suitable materials such as sand, pebbles, crushed stone, cinders, burned shale, or slag. These



Home of John Clopmeyer, Cincinnati. Concrete masonry walls, with portland cement stucco exterior. Designed by the owner.

materials are known as "aggregates." The units are available in every part of the country.

Several of the more frequently used concrete masonry units are illustrat-



ed in the view below. It will be seen that these units are hollow. Consequently, when built into a wall, they provide the *hollow wall* type of construction so much desired.

Definite sizes are maintained. In concrete block, the standard size of 8 in. by 8 in. by 16 in. is most widely used. Laid up by the mason in a single thickness, it produces a wall 8 inches thick, and courses 8 inches high. Standard size block of other dimensions, however, are available. Concrete building tile are smaller and lighter than concrete block. They contain more air space. Tile

The illustration at the left shows some of the commonly used concrete masonry units.

P O R T L A N D C E M E N T A

C O N C R E T E F O R P E R M A N E N C E

are usually 12 in. long and 8 in. wide, with height ranging from 3½ in. to 5 in., as desired. Each unit is molded to accurate dimensions.

The hollow wall characteristic of concrete masonry is responsible for a large share of its popularity as a building material. This dead air space in the block or tile effectively insulates the wall. Extremes of temperature do not easily penetrate this space, nor does sound or moisture.

Another advantage of concrete masonry is rapid construction. The large, uniform-sized units require minimum handling. Walls go up quickly—and any labor economy is always welcome to the home builder.

Whether the house planned be large or small, these advantages of concrete masonry are equally in evidence. Concrete masonry creates an atmosphere of substantial dignity by which the good judgment and character of owners may safely be measured. It is fire-resistive and permanent. Upkeep expense is practically nil. And along with its economy it adapts itself to the widest range of beauty in architectural treatment.

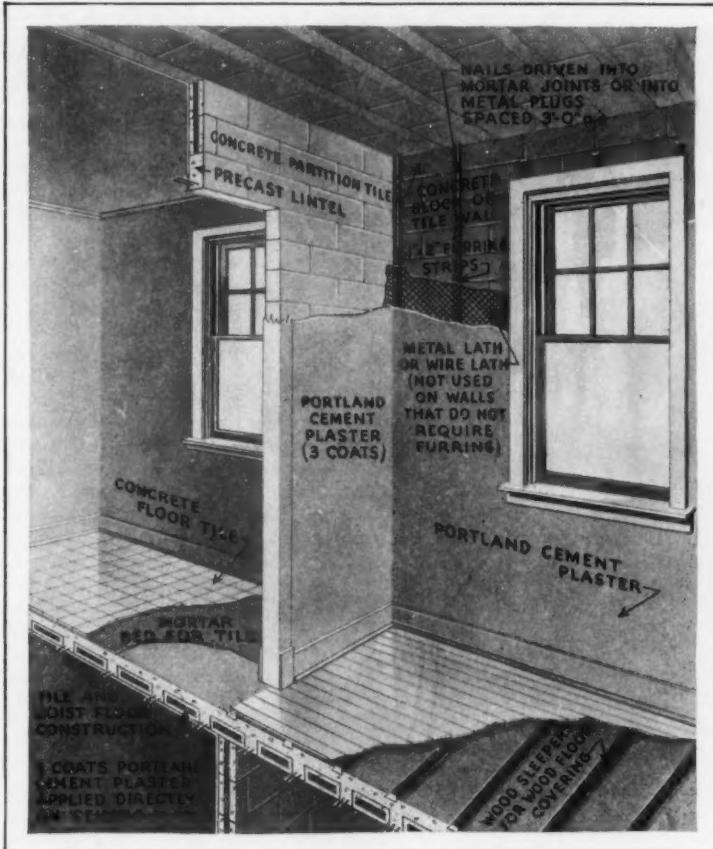
In many instances the wall is treated frankly as a masonry wall, with the mortar joints visible. This treat-

This diagram shows the details of concrete masonry wall and floor construction in a firesafe home.

ment is very pleasing when in complete harmony with the architectural motif.

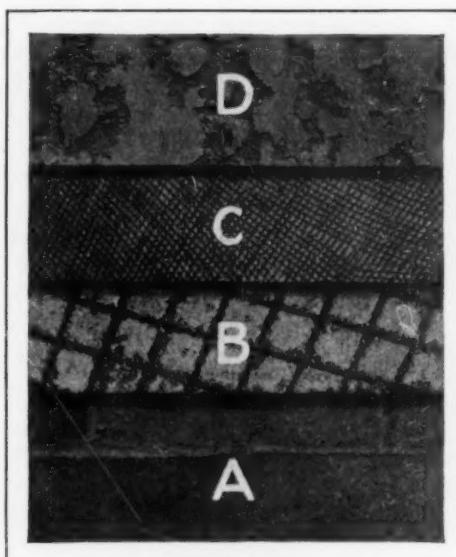
A wide range of exterior finishes is at the builder's option, through the variety of color and texture available with portland cement stucco. Concrete masonry walls form an ideal base for the stucco, the surface of concrete block and tile being sufficiently rough to assure a perfect bond. In fact, so closely does the stucco unite with the masonry that it is practically impossible to separate the two materials. These advantages have created a growing preference for portland cement stucco as an exterior finish.

Portland cement stucco mellows, with time, into the soft tones so



greatly admired in structures abroad. Or, with the use of different pigments, it remains gay and colorful year after year. Pleasing reds, blues, yellows, greens, browns—for accent or contrast—or numerous soft tints, all can be produced by the use of non-fading mineral pigments. The result is a permanently beautiful house, charmingly blended in texture and color to harmonize with its surroundings.

Before you build get all the facts about concrete masonry. Write for our illustrated literature on this interesting subject.



This illustration shows the successive coats of stucco applied to a concrete masonry wall. To a concrete masonry wall (A in the picture) is applied a "scratch coat" (B) $\frac{1}{8}$ " thick. After this coat hardens a second coat (C), also $\frac{1}{8}$ " thick, is applied. The finish coat (D), $\frac{1}{8}$ " to $\frac{1}{4}$ " thick, depending on texture, is applied after the second coat has hardened.

In a small country bedroom like this, ROBRAS 20-20 Radiators can be in the wall, out of sight, and more particularly out of the way.



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IN those little under-the-eave bedrooms, space is at a premium. What can be more satisfactory than knowing that ROBRAS 20-20 Radiators will go in the wall, under the windows, out of sight, and out of the way? Then all the floor space is available. Curtains can hang straight from valance to the floor line. Furniture can be arranged as desired.

ROBRAS 20-20 Radiators are made of brass. They are designed to fit in the four-inch space between the inner and outer walls found in nearly every house.

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Facts about the ROBRAS 20-20 Radiators can be had from the booklet "Proof Of The Pudding," a copy is ready to be mailed to you as soon as we have your name on the coupon below.

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Name

Putting character into curtains

Continued from page 40

plain and, if embroidered, done by machine to bring them within the average budget. Rayon satin finds favor in living and dining rooms. Chiffon velvet makes lustrous and luxurious draperies. Crash, monk's cloth, silk-and-cotton reps and poplins, all are present, but in more attractive guise than ever before. India prints, in the bedspread size, make attractive living, library, or dining room draperies. We are accustomed to seeing them in vivid, summer colorings, but they can be purchased in rich reds, greens, browns, and violet colorings that lend warmth to winter days. Canvas, though unwieldy to handle, makes unusual sunroom draperies with its huge plaided and striped designs. Even the once despised kitchen oil-cloth appears in smart polka dots and plaids and drapes itself at kitchen and bathroom windows. And, while on this subject of practical, waterproof materials I must not forget to mention the new lacquered fabrics obtainable in over one hundred new finishes and limitless color combinations.

Truly an amazing variety, isn't it? And there are almost as many new glass curtainings, too. Curtainings that give us more than just the desired privacy, in fabrics that are in keeping with the exterior architecture of our homes and in colors that will make the eyes of our homes express some of the cheer and personality of its owners. Curtainings that will, I sincerely hope, prevent another nation-wide epidemic of écrù net curtains. Here again I must ask that you do not misunderstand me. There are rooms in which the sheerness yet formality of écrù net, hung in plain, severe folds, make it the most desirable of all fabrics, yet until we have adopted one common style of architecture why use it universally, regardless of the effect we have tried to achieve architecturally?

Just as you must select your draperies to emphasize your entire decorative scheme, so should these glass curtains that are a part of the exterior reflect its character. Is your house a prim, tidy little Colonial one? Then use your ruffly tie-backs winter and summer, for nothing is more charming than prim little curtains of spotless white against the green and white of it. And if your house inclines to the English type of architecture, you'll probably find nothing quite so satisfactory as écrù net, for its sheerness hides none of the tracery of the tiny panes of the casement windows and its texture is formal enough for the woodwork and trim within. But some of us incline to other styles of architecture. Perhaps a rambling, low bungalow that bespeaks coziness in every line of it. You'll find fabrics to match its mood, fabrics warm and colorful and not too secretive. Or perhaps you show the world a stately, rather aloofly impressive Georgian front. For you, too, there are fabrics expressing just the proper amount of dignity. And, of course, no end of delightful fish net weaves and linency-looking fabrics for those who have fallen under the spell of the Italian or Spanish; not-too-naïve things for those gone French provincial.

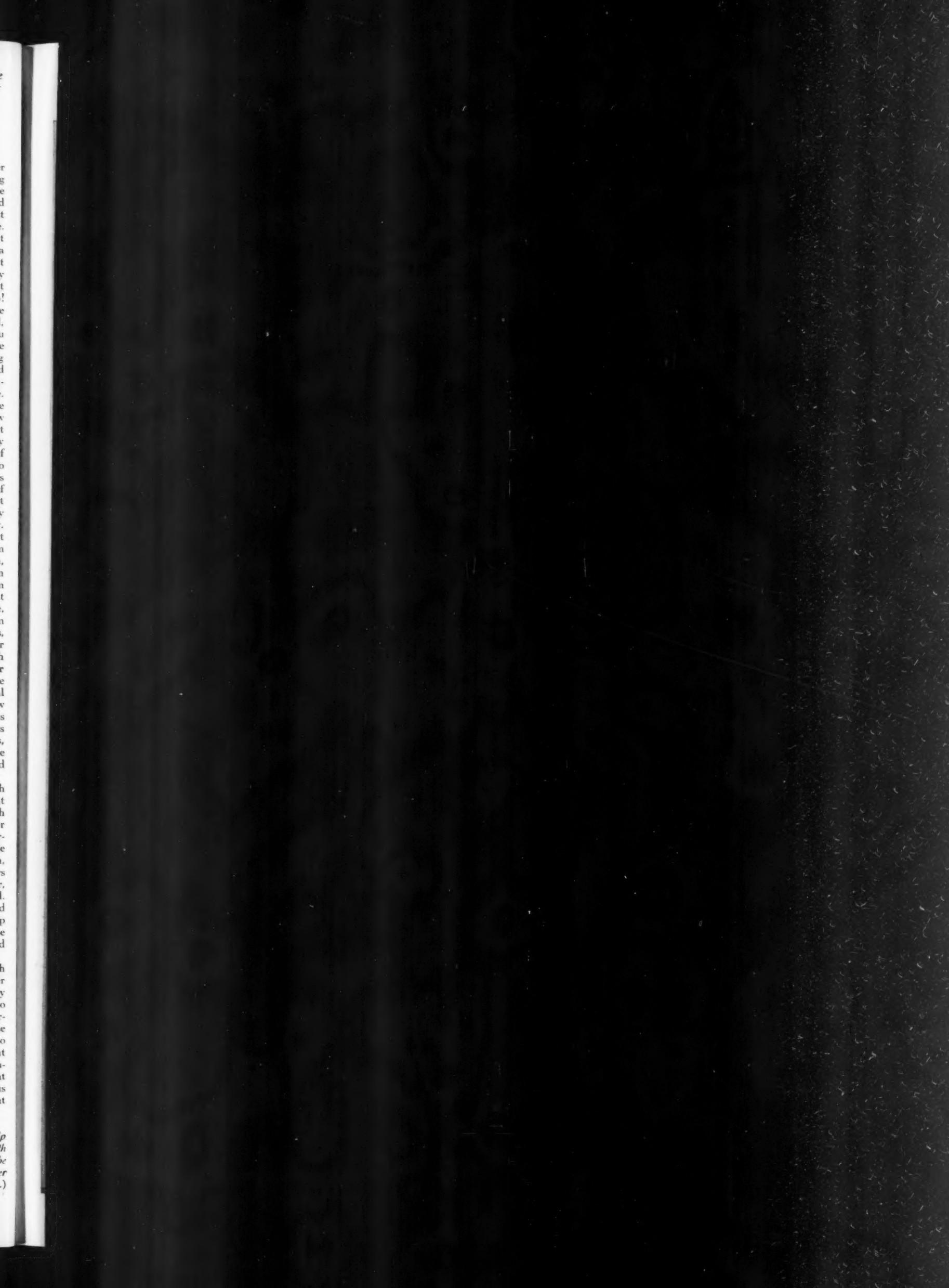
And there are others you never even thought of as window curtaining as, for instance, tarletan. Yes, the very same tarletan of candy-bag and ballet-skirt fame. It makes the most charming glass curtains imaginable. It is not washable but who cares? It will hold its freshness and color for a whole season and costs so little that you can have brand new ones every season. And last, but not least, it needs no hemming except at the top! For those who aren't swayed by the cruel necessity of being practical, there is chiffon and georgette. You simply take three strips of it in three shades of any luscious color, hang them vertically or horizontally and lo! you have the smartest, just-modern-enough effect imaginable. For that matter you can achieve the same effect with the inexpensive new rayon voiles and while they are not so luxuriously sheer, neither are they so perishable. Another easy way of achieving a modernistic effect is to use a light shade of material as glass curtains and drape a darker shade of the same material over it, catching it back about two thirds of the way down and using only one to a window.

Silk gauze and scrims take on smart airs these days by the simple addition of a band of one or two-tone ribbon, sewed along the side and bottom hemlines. Brown or black ribbon treated this way will make the dullest scrim curtain surprisingly effective, while the silk gauzes which come in those lovely powder blues, pale greens, and violets would be lovely with silver or gold ribbon. Powder blue with navy, pale green with deep green, or apricot with Chinese red would be lovely combinations, too. In several modernistic rooms I've seen the new all-over printed rayons used as glass curtains. Then, of course, there's theatrical gauze in its lovely hennas, golds and greens and a newer gauze called "Chunda" gauze, sheerer and with a tiny fleck woven through it.

And the things they are doing with the familiar old organdies and point d'esprit! In a pale green and peach bedroom, papered in green and silver wallpaper, I saw point d'esprit curtains dyed a violet color and inside the hems a band of deep violet ribbon, giving a border effect. I saw layers of organdie, put one over the other, and their deep scallops picoted. Those I saw were shades of rose and shades of orchid, but I could not help but think how lovely they would be in lemon-yellow and orange or red and white combinations.

One could go on endlessly with color and fabric combination. Never has there been such an opportunity to achieve so much character and so many lovely effects through our curtain fabrics. There is no other phase of interior decoration that yields so much in effect for so little intelligent effort—nothing that reflects so enthusiastically the care and thought lavished on our windows. So let us put a little more care and thought into this winter's windows.

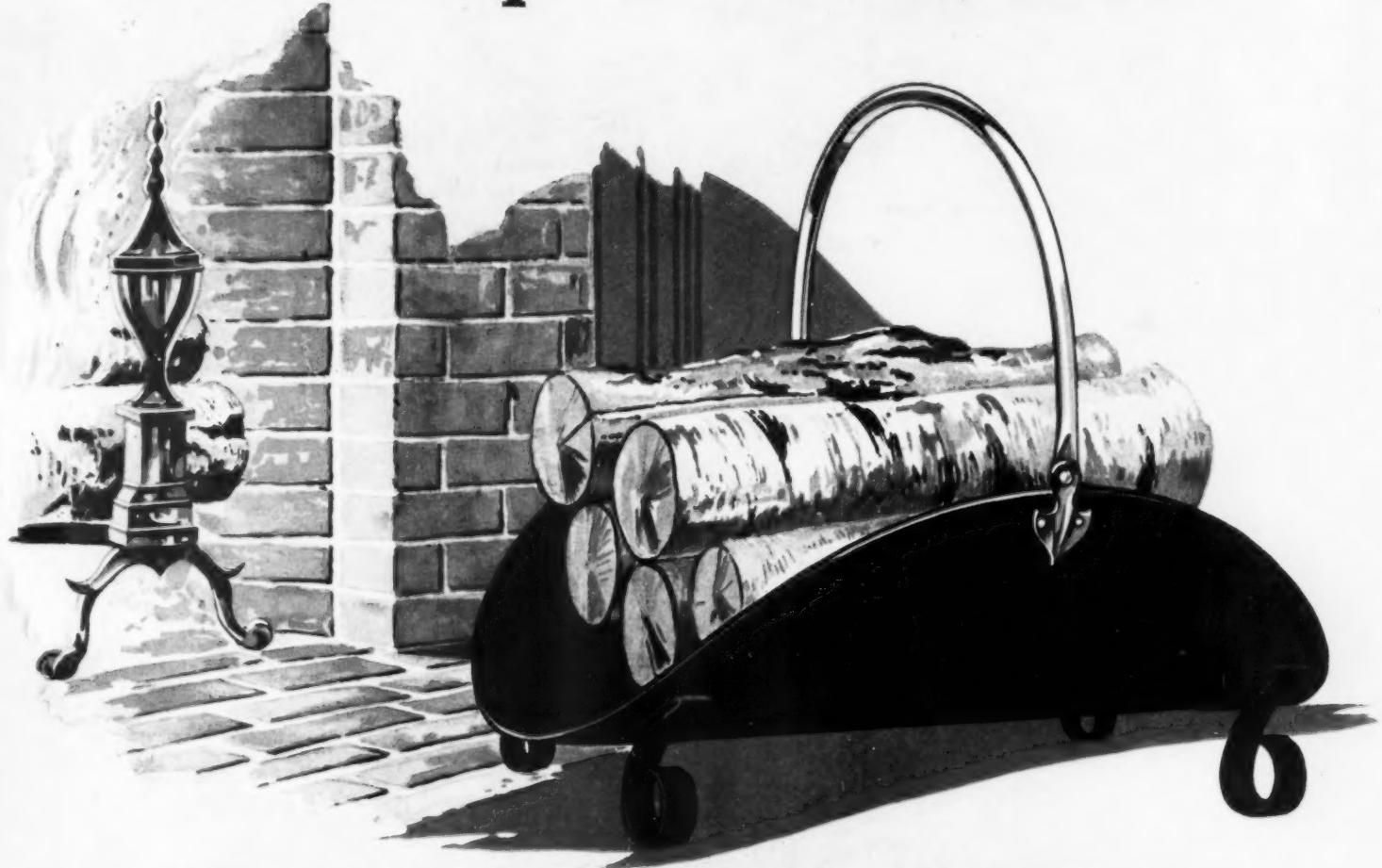
(If you feel that the author can help you by giving you individual help with your particular problems, she will be only too happy to have you write her and help you in any way that she can.)







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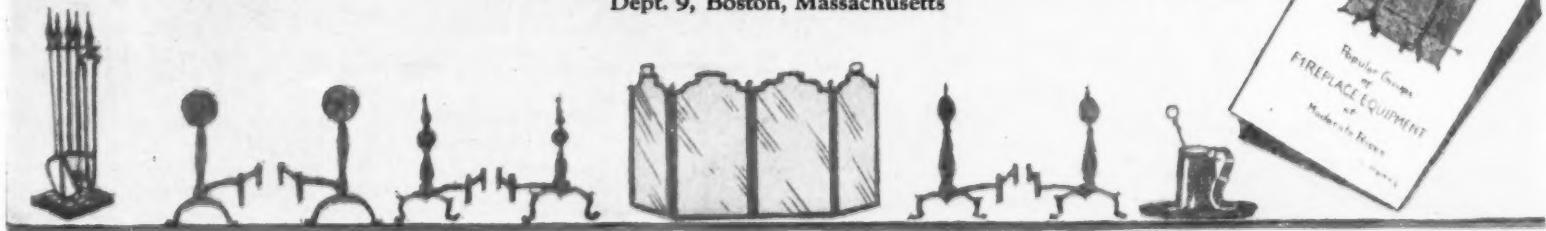
Finished to match your scheme in black (as illustrated), Chinese red, Moss green, Ming blue, and several tones of brass, also in the hammered effect with Swedish or antique brass finish—all with brass bail and ears.

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I have ever used . . . I have seen city gas
stoves that were not nearly
as nice as mine"

—Mrs. R., New York State

Mrs. R.—is perfectly right about her gas range. There are a great many in the city not nearly as nice as hers and she lives many miles away from a city gas supply. She has real gas to cook with and a splendid modern gas range because she uses Pyrofax Gas Service.

Pyrofax is a genuine gas made from natural gas, stored in steel cylinders and delivered by a national service organization. Two cylinders are kept outside your house in a neat steel cabinet—one is in service, the other is a reserve. Each contains two to three months' gas supply for the average family.

Pyrofax cooks cleanly and quickly with the perfect results that have made gas so universally favored by women. No soot or smudge, no odors, no waits or delays or fuss or bother. A hot, blue flame instantly at your service, always under control—real gas!

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SAN FRANCISCO—114 Sansome Street
MINNEAPOLIS—422 Washington Avenue North
TORONTO, CANADA—92 Adelaide Street West

Oil as fuel for your furnace

Continued from page 24

closes a switch and starts the burner. At the same time the electric spark or gas pilot light comes in contact with the oil spray and ignites it. If the oil fails to ignite, the lack of heat or light acts on the safety controls to stop the burner and stop the flow of oil. Another set of controls will stop the burner if the pressure in the boiler gets too high. Other controls will stop the burner if the temperature in the furnace becomes too great for safety, and still others will stop the burner if the water in the boiler gets low. All these controls operate on the side of safety. Whenever anything goes wrong, the first thing that happens is that the burner stops.

The failure of oil burner ignition is generally due to the gas pilot going out or the electric ignition not working properly. When ignition is by gas, the failure of the pilot light is not dangerous because there is no way for the oil vapor to become ignited. A person finding the pilot light not burning should turn off the gas, wait a few minutes to allow the unburned gas to go up the chimney, and then relight the pilot. Failure of electric ignition in an oil burner, as in an automobile, is generally caused by dirty or burned spark plugs. These should be inspected occasionally to be sure they are in good condition. The burner should be kept clean, and all litter should be kept away from the boiler.

The dealers in oil-heating equipment are experts in their line nowadays, whereas a few years ago burners were sold and installed by incompetent and inexperienced men. Many of the early burners were even sold by mail and installed by the purchasers. Because two thirds of the success of an oil heater depends on the skill with which the burner is installed, it is easy to understand why there was trouble with oil heating when it was first introduced.

Dealers and those who install burners to-day are required by the manufacturers to attend school and study the construction, operation, and installation of the burner they are to handle. This insures an expert job to the user, and places men in the community who understand the appliance with which they work. Experts are available to take care of the slightest difficulty that might arise.

One of the problems of the oil heating manufacturer is teaching the user that he must not play with his burner. Though a man may be a good doctor, lawyer, or broker, he may be a very poor oil-burner mechanic. Many men who do not feel competent to grease their own automobiles take great pride in putting the oil burner through its paces for their friends. They change the oil adjustments, reset the air regulation, and alter the character of the flame. Though in many instances this may not be dangerous, it certainly does not make for the best and most efficient operation.

It is true that many of the early oil burners caused trouble for all concerned. Many of them were makeshift affairs and were poorly installed. Lack of controls to stop the flow of oil or leaky piping often caused pools of oil to collect on the basement

floor. When this became ignited it burned with a dense, black smoke.

Because of trouble in the past some people still consider oil heat dangerous. On the contrary, the present day oil burner, properly installed, imposes no extra fire hazard. The numerous installations of oil burners in public buildings such as schools, institutions, and fire houses are evidence of the regard with which authorities hold modern oil heat.

It is entirely possible for an oil burner to cause a fire, but statistics for many communities show it less of a hazard than ashes, which sometimes are stored in wooden barrels to await removal. The automatic controls mentioned before have done much to eliminate the human element and carelessness that may prove serious where man tends a fire. Fuel is used only when heat is needed, and that need is determined automatically and without thought or care on the part of the home owner. Controls have taken the place of worry and labor and stand guard to prevent many possible dangers that the most rigid personal attention to the furnace could not detect.

With all its achievements, present day oil heating is not through its developments. It has not reached its ultimate degree of perfection, but it is unwise for a person to deprive himself of the benefits of automatic heat on that account. Oil burners have passed from the experimental stage into a period of satisfactory service and steady progress. Over a half million homes are to-day being heated automatically with oil in this country, and though the developments of the next fifteen or twenty years may make these burners obsolete, the owners are enjoying clean, even heat while waiting for whatever Aladdin-like improvements science may have in store for them.

And as to the cost of buying and operating these modern aids to comfort and health: automatic oil burners can be bought and installed for prices ranging from \$400 to \$1200. This wide variation in price depends not only upon the size and type of burner that is purchased, but also upon the type of installation made. It costs much less to install a small tank in the basement for the storage of oil than to excavate and bury a large storage tank. A large tank is not necessary where fuel deliveries can be made frequently.

Cost of operation can only be estimated before a burner is installed and actually operated. Fuel oil prices over the country vary from six cents to ten cents per gallon. The average price probably is between eight and eight and one-half cents per gallon. One hundred and fifty gallons of oil approximately equals a ton of anthracite coal. A small house that requires ten tons of coal per season should, therefore, use about 1500 gallons of oil. This fuel at eight and one-half cents per gallon would cost \$127.50 for the season. It should be borne in mind that these figures are only approximations. A number of variables make it impossible to forecast accurately the amount of fuel needed or its cost.



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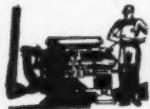
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For, in puddled wrought iron, each innermost fiber of the metal is protected by a rust-proof barrier of silicious slag. Kneading of the hot, pure iron in the furnace distributes this slag evenly and uniformly, leaving no loophole for destructive corrosion.

All Reading Pipe is genuine puddled wrought iron, made by the time-tested process. Your guarantees of pipe dependability and long life are the Reading name and the spiral knurl mark cut into every piece of Reading Pipe.

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tested, genuine puddled wrought iron pipe.*



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You fill the magazine never more than once a day, usually two or three times a week as the weather requires.

The coal feeds down by gravity through the exclusive "Fuel Throat" that is adjustable to insure perfect results with different sizes of fuel.

As the fuel burns away to ash and shrinks, gravity feeds more coal from above. Thereby an even firebed is maintained.

Gravity feeds fuel to the Newport just as it does in your fountain pen—and gravity never forgets.

MAGAZINE FEED



Three years ago we purchased a well built 11 room house situated on a foothill of the Adirondack Mountains. As it faces the north exposed to the full sweep of the coldest of winter blasts, you can understand that heating it would be a problem.

Well, the heater that we hoped would keep us warm didn't do it. Seventeen tons of Range coal that cost \$15.25 per ton warmed only about half of the house. Consequently, we wintered in restricted quarters and nearly wore ourselves and the basement stairs out chasing up and down to look after the old coal eater.

Consequently, with the first winter over, we made up our minds to purchase something that would give real comfort. Your boiler was it, and say, everyone is glad the old heater is gone, especially my wife, for now she doesn't know what it means to coal the furnace.

From this you will know how satisfied we are. The recommendations that we received have come true. And now, after two cold winters' experience, I, too, can say as others did, that No. 1 Buckwheat coal that costs only \$8.50 per ton is excellent fuel and that **my Newport requires very little care and saves me \$148.75 each year**. Thirteen tons per season is all we burn so you can check up on my saving if you wish.

As I intend to build another home, you may rest assured that I will use another Newport Boiler.

T. J. Quaile, Gloversville, New York.

The letter reprinted above came in July 12, 1929. Up to that time we did not even know that Mr. T. J. Quaile owned a Newport Boiler.

Many unsolicited letters, like the one above, come to us from thousands and thousands of people, to say how well their Newports heat. Some date back to 1913. Naturally, you're interested in the modern way of heating. Get the complete story—by returning the handy coupon at the bottom of this page.

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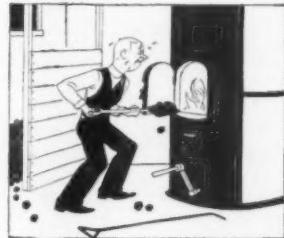
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ADEQUATE HEAT FOR EVERY ROOM GUARANTEED



A kindly autumn sun brings another heated argument to the [Cold Family] Robinsons

Dawned the first cold morning of autumn. Father has spent all forenoon starting the furnace fire. Now the thermometer reads 72°. The house it as warm as toast.



Upstairs he runs, thermometer in hand, to communicate his exultation to Mother. "You see, we don't need a new furnace after all," he says, gloating over the prospect of winning an argument that has been long-standing. "Not if the sun comes out as warm as this all winter," says Mother, pointing to the thermometer outside. "It's turned as hot out there as in here. But I don't think that's likely to continue."

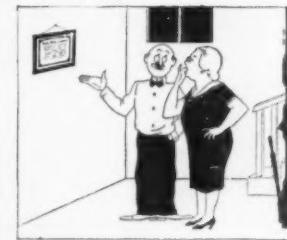
The one sure way of having adequate heat in all kinds of weather is to have your heater installed according to "The International Plan of Complete Heating Systems Guaranteed."

This plan guarantees not only the heater but the

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It applies to both residential and non-residential buildings. It represents minimum operating expense with maximum efficiency. Answers every question of satisfactory heat.

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INTERNATIONAL HEATER COMPANY

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MAKERS OF WARM AIR FURNACES AND STEAM AND HOT WATER HEATING BOILERS

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Each Stickley piece reproduces in the exact woods and identical finish an early American forebear. A special process of wood aging further duplicates these rare and original masterpieces now obtainable for the modern home.

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Tourists welcome at factory showrooms 5 miles east of Syracuse on main highway—Route 5.

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Hearthstone Editor, The American Home, Garden City, N. Y.

Please send (at no expense to me) the following booklets.

(Insert numbers from list)

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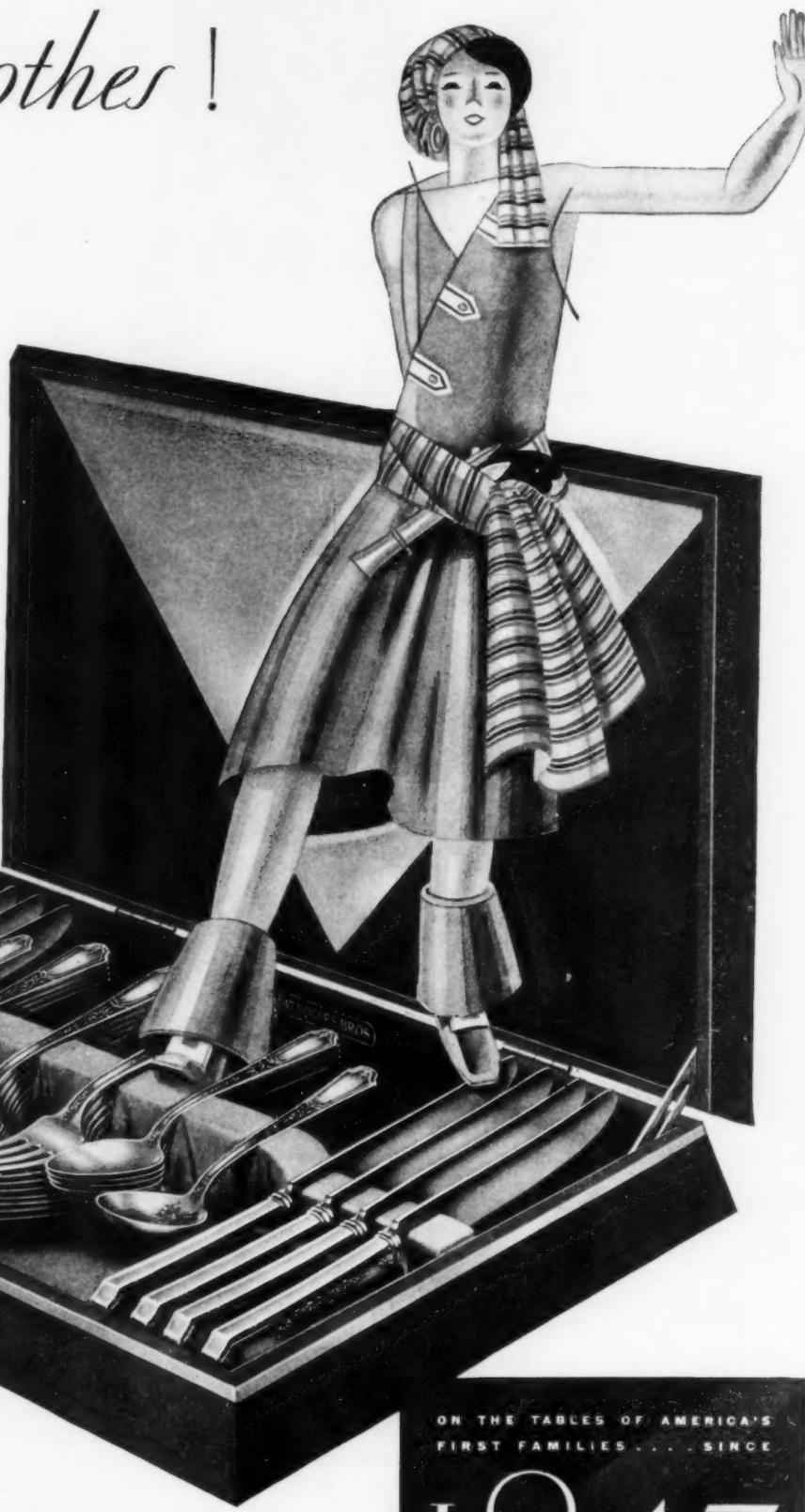
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OCT.

You should see
the new Pieces of 8
[TRADE MARK REGISTERED]
in Paris Clothes!

Can you imagine Johanna Silver, that intrepid pirate girl of olden days, stepping forth today in a Paris-designed pirate frock? With a chic new bandana chapeau by a famous *modiste* and boots by a famous *bottier*? With her whole costume straight from the Rue de la Paix? That's just what's happened. PIECES OF 8 in 1847 ROGERS BROS. Silverplate now comes to you accoutred in the Paris manner. For PIECES OF 8, a smart, modern idea to begin with now appears in chests and trays as smart and modern as the "8 idea" itself—designed by Monsieur Reynaldo Luza, Paris artist, fashion authority *élégant*. Regal background for the sparkling glory of 1847 ROGERS BROS., the finest of all silverplate. PIECES OF 8 in all patterns with eight of each flatware essential (knives, forks, spoons) \$43.50 (slightly higher in Canada). And tea and dinnerware in matching patterns at equally moderate prices... See these new 1929 PIECES OF 8 sets at any silverware counter, or write for booklet K-4 to Dept. E, International Silver Co., Meriden, Conn.



34 PIECES
\$43.50
CHEST FREE

HERE IS THE STATELY ANCESTRAL PATTERN IN THE NEW PARIS CHEST. \$43.50 . . . ALL PATTERNS ARE AVAILABLE, INCLUDING LEGACY, THE MODERN FLAIR IN SILVERWARE

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SILVER PLATE
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ON THE TABLES OF AMERICA'S
FIRST FAMILIES . . . SINCE
1847
boli



Tragedy of the Half Dead Radiator

This is not the title to Christopher Morley's latest Hoboken revival, but a little melodrama that happens every winter day.

It is about radiators that are half dead for the want of steam.

A dark, desperate villain, usually in the form of an old fashioned carbon type valve won't "unstick" and let the air out, and so the nice warm steam can't get in and save the radiator's life.

But we have a hero! The Cadwell No. 10 Air Valve. For only a dollar this shiny dashing hero will come to your Radiator's rescue.



For steam heat only

You can attach a Cadwell No. 10 without any special tools. It is completely automatic, and is made of non-rusting metals. Guaranteed for five years.

If you have a tragedy of the half dead radiator in your home try out this dashing hero. Send no money. Just mail the coupon.

CADWELL NO. 10 AIR VALVE

Allows the radiator to heat from end to end

THE BEATON & CADWELL MFG. CO.
Established 1894 NEW BRITAIN, CONN.

Send No Money

The BEATON & CADWELL MFG. CO.
Dept. 10, New Britain, Conn.

If your dealer cannot supply you with the Cadwell No. 10 Air Valve, send us his name and we will send you one valve for \$1. Send no money; pay the postman \$1 when it arrives.

Name _____
Address _____



For the convenience of the fire builder this Queen Anne seat sits before the fire

The American Home furnishes a house

Continued from page 15

all mingled with decorative foliage in rich blue-greens. The curtains are made in paneled effect, that is, each strip is bound down the long sides and across the bottom with a one and a half-inch binding of glazed chintz in an orange tone to match one of the poppies in the design. Inside this binding is a line of welting (piping over a cord) of bright larkspur blue, which also picks up one of the colors in the chintz. The curtains are lined with cream-white sateen, for a lining adds much to the life of the draperies, and prevents their being faded by the sun.

The curtains hang straight to within one inch of the floor, and are made

without valances as we wish to emphasize the vertical lines of the room. They are hung, both the sash curtains and draperies, on traverse double rods, which cost a little more than the usual brass rod, but add so much to the convenience of managing two sets of curtains that they are well worth the price. The glass curtains on the French casement door are on plain casement rods, top and bottom. In putting up casement door curtains it is well to dip them in water after they are on the rods, then they stretch tightly into place, and do not sag.

Cushions covered with the curtain chintz may be on the sofa with the addition of one or two in plain tones, and a flat, shaped pad, covered with plain larkspur blue placed in the seat of the desk chair would add to the color interest. There will be a piece left from the wall hanging, which may cover an elbow cushion for the sofa if desired.

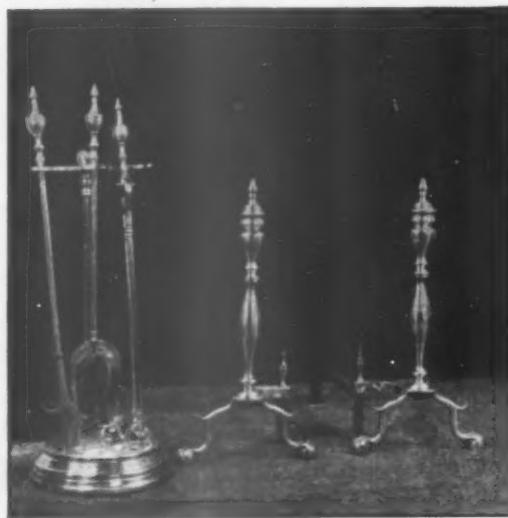
The four wall sconces are simple ones of English brass, in an excellent design that is a favorite with architects of small houses.

On either side of the front windows hang softly (continued on page 56)



This Windsor type chair has the cabriole legs characteristic of Queen Anne furniture. It is of birch with antique walnut finish

Of polished brass in a Georgian design, the andirons and fire-set are simple and effective



T HIS LOW COST HEAT... KEEP S HIGH HEELS OFF THE CELLAR STAIRS

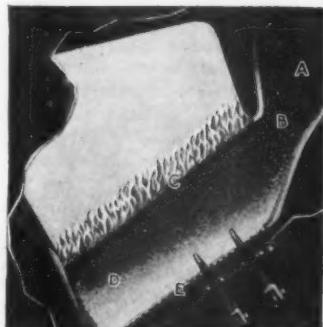
Indulgent husbands of this modern age need not fill the cellar with machines to free the women of the home from the drudgery of the hand-fueled heater. A Spencer Heater brings modern, automatic fuel feed, without the use of strange new fuels and stranger new machines. It uses the same dependable fuels that you have always known, but in low cost sizes that save as much as half the fuel cost of ordinary heaters. Compared with other forms of automatic heat the Spencer saving is even greater.

The reason is simple. Instead of flat grates that must be fed frequently by hand, each Spencer has Gable-Grates that slope up toward a storage magazine. Fire burns up-hill on the Gable-Grate, the natural way. Fuel rolls down from the water-jacketed magazine to feed the fire automatically for twelve to twenty-four hours.★

This Spencer construction adds economy to automatic fuel feed because it permits the use of small size fuels. These fuels are low in cost because flat grate heaters are not designed to burn them satisfactorily. In the Spencer, No. 1 Buckwheat anthracite, which costs about half as much as other domestic sizes, gives more uniform heat than larger sizes do in ordinary heaters.

The Spencer makes a saving with any small size fuel, including coke and graded non-coking bituminous coals. Fuel feed is by gravity, more accurate than any human hand or motor-driven machine. Fresh fuel feeds just as it is needed, with no wasteful smothering of the fire by day or banking at night. Because of this automatic fuel feed the Spencer obtains the maximum available heat from any fuel at the lowest cost.

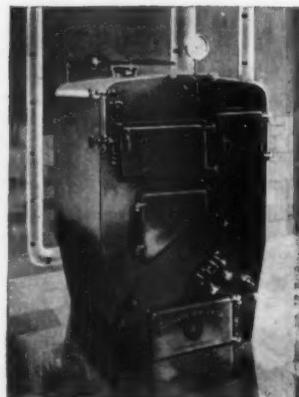
The Spencer book, "The Fire That Burns Up-hill," is illustrated with photographs and diagrams and contains a few of the thousands of letters from home owners who have used Spencer Heaters during the past thirty-three years. Write for this book, and see for yourself how the Spencer scientific principle for burning solid fuel can save as much as half your annual fuel cost. Spencer Heater Company — Williamsport, Pennsylvania.



★Once a day fuel is put into the magazine (A). It fills the sloping Gable-Grate to the level of the magazine mouth (B). The fire bed always stays at the level shown at (C) for as fast as fuel burns to ash (D) it shrinks and settles on the Gable-Grate (E). As the surface of the fire bed (C) is lowered by this shrinking process, more fuel feeds down of its own weight over the top of the fire bed, with no need for motors or mechanical parts.



Spencer Heaters are made in two types and in capacities to suit every size of home or building. Illustrated is the cast iron sectional Spencer with enamelled steel jacket, for homes and small buildings. A complete line of Spencer steel tubular boilers is made for large buildings. Sold and installed by responsible heating contractors.



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Magazine Feed
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for steam, vapor or hot water

RITTER FLOORING
Manufactured Exclusively from
Appalachian Oak

"For
homes that breathe
refinement"

A small Oriental here; a rare Chinese there -- mere splashes of color to enhance the contrasting beauty of oak floors. Choose your flooring as carefully as you do your drapes and hangings. You'll find some brands of oak have a coarse texture . . . an uneven flashy grain. Others have just the opposite -- a texture that looks like velvet . . . a grain of unblemished uniformity. Ritter Appalachian Oak flooring is exclusively this latter type --



beautiful in itself, and radiating distinction to everything about it. Consult your architect. He will tell you how Ritter flooring will harmonize with the other fine appointments in your home.



W. M. RITTER LUMBER COMPANY
Largest Producers of Appalachian Hardwoods
General Offices: Dept. A.H. COLUMBUS, OHIO



The American Home furnishes a house

Continued from page 54

colored reproductions of seventeenth century "Cries of London" prints, in simple, passepartout frames.

In this living room we have tried to suggest an effect of home-like, yet fairly dignified furnishing, giving you the best values possible in design and sound construction for the most moderate prices. We must all feel grateful to the modern manufacturers of furniture and household equipment who have made this possible. In these days of interest in beautiful interiors it is a satisfaction to find that for the expenditure of sums well within our budget we may produce homes which will give satisfaction for years.

Photographs used to illustrate this article are by courtesy of Lord & Taylor, R. H. Macy & Co., Kittinger Co., Gimbel Bros., Edwin A. Jackson, Danersk Furniture Co., Nathaniel B. Beam's Sons, Gunn & Latchford, Bayley & Sons, Mary Allen, Middle dorfer Strauss, Importers, and J. H. Thorp & Co., Inc.

KEY TO PLAN FOR QUEEN ANNE LIVING ROOM

1. Broadloom taupe-lake rug
2. Queen Anne 6' 6" sofa, covered with taupe denim
3. Cogswell chair, covered with taupe denim, with walnut Queen Anne legs
4. Queen Anne armchair, with open arms in walnut
5. Oak stool, with carved legs
6. Fireside bench, covered with small figured two-toned mohair
7. Drum table, veneered with walnut quartered to show the grain. Thirty-six-inch diameter, with four drawers. Pillar base, with feet ending in solid brass paws
8. Terrestrial globe, in mahogany tripod frame. Twelve-inch globe
9. Desk chair of birch, with antique walnut finish. Has a pierced splat back, and Queen Anne legs
10. Walnut finish secretary. Eighty-four inches high, thirty-five inches wide. The chest is eighteen inches deep, and the cabinet top eight inches. There are 13 glass panes in the doors
11. Burl walnut coffee table, made all in one piece. Twenty-one and a half inches high, twenty-eight inches long, and seventeen inches wide
12. Incidental table, with rack for books, made of maple and white walnut. Twenty-seven inches long, fourteen inches wide, and twenty-five inches high
13. Butterfly trestle table, of maple and pine. Open twenty-four inches long, by twenty-four inches high. Closed six inches wide. May be had in walnut finish
14. Wrought-iron aquarium, with green glass bowl. Iron antique green finish
15. Wrought-iron plant stand, with copper bowl for ivy
16. Floor lamp of wrought-iron and brass, fifty-nine inches over all in height. Parchment shade, "Caenstone" finish in antique cream. Nine and a quarter inches deep, and sixteen inches across at the bottom, with gold bindings top and bottom, and a laurel leaf design
17. Table lamp of green tile, decorated with gold. Twenty-five and a half inches over all in height, with a square shade, twelve inches each side at the bottom, in a crackle finish parchment, with bands and laurel leaves to match the floor lamp
18. Brass andirons, in a Georgian design, with claw and ball feet
19. Fire set to match the andirons, three pieces, with stand
20. Pair of Chinese jars, in rose and green, on black teakwood bases
21. Beautiful reproduction in original colors of "The Cello Player" by Van Dyke. Twenty-seven by thirty-two inches. Framed in a simple molding frame of green gold
22. Round sconces of English brass, with two-light burners
23. Brass candlestick-base two-burner lamp. Twenty-seven and a half inches overall. Parchment shade nine inches deep, and sixteen inches across bottom
24. Color reproductions of old prints, "The Cries of London," in simple passepartout frames. Eight by nine and a quarter inches
25. Chints, thirty-one inches wide, with a design of brilliantly colored garden flowers, rose, green, yellow, mauve, etc., with touches of blue, and blue-green leaves. Bound in one and a half inch orange glazed chintz binding, with an inner piping of larkspur blue. Lined with cream-white sateen
26. Glass curtains of rayon-casement cloth, thirty-six inches wide. Windows and French casement door require seventeen yards
27. Traverse rods for windows, and door rods for casement door. Eight dozen drapery hooks
28. Queen Anne armchair, with open arms in walnut, same as No. 4
29. Wall hanging of Venetian brocatelle, six feet wide, and fifty inches deep, in rust-orange color, to match the glazed bindings on the window draperies
30. Books and coffee set not described

Rigid floorings

Continued from page 27

Underfloors made of concrete slabs, with or without reinforcing. Third: Underfloors in wood construction, laid over floor joists.

In most residential work the first and second methods of construction would be employed for porches, terraces, breakfast rooms, or possibly foyers and entrance vestibules. The third method would apply to first floor rooms over an excavated cellar and any second floor rooms where tile is to be used.

If the floor is to be on filled ground, the fill should be of earth removed during excavation of the cellar, should be given plenty of time to settle, and should then be brought to an even surface and tamped down hard, at a level about nine or ten inches below the finished floor. Over this surface, four inches of hard, dry cinders should be spread and tamped down to a hard smooth surface; on top of these cinders a four-inch concrete underfloor is poured, with damp-proofing or integral waterproofing added if necessary, depending on local conditions.

Where a porch or terrace is to be built over an area which would re-

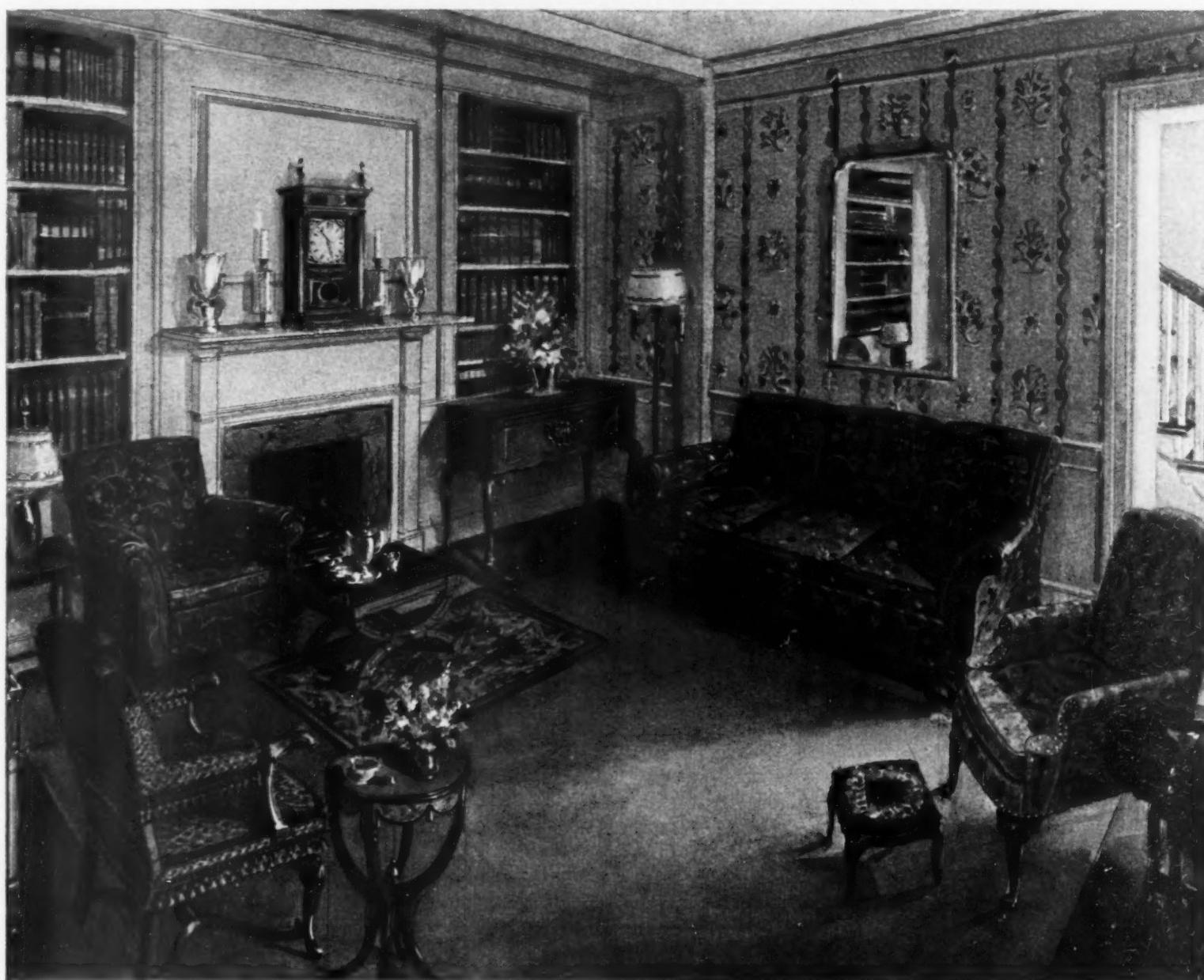
quire too great an amount of fill, or where it is desirable to leave an excavated space under the floor for purposes of running heating pipes or for full height cellar, the underfloor for a rigid finishing material may be either a concrete slab of four-inch minimum thickness, with reinforcing if the span requires it, or may be of joist construction with "deafening" as required for tiled bathrooms on the second floor.

Deafening is formed by constructing little boxes between the joists and then filling them with concrete. Wood cleats are nailed to the sides of the joists about two inches down from the top, and then light boards are nailed across, resting on these cleats. The "boxes" thus formed are filled with concrete about two and one half to three inches thick, thus covering over the top of the joists as well as the space between them with a continuous surface of concrete underflooring.

The least costly rigid flooring, often used for porches and terraces, and sometimes for vestibules and breakfast rooms, is one inch of cement laid directly over (continued on page 60)

NATIONAL KARPEN WEEK—October 12th to 19th

Introducing Fall designs in Karpen suites from \$113.50 up



KARPEN! All that is fine in furniture comes to mind at the name... all the style and craftsmanship and luxury you have longed for. A delightful surprise awaits you at the opening of Karpen Week on October 12th. Some dealer near you will exhibit Karpen 2-piece suites for as little as \$113.50 and Karpen Windsor chairs from \$12 up. And there will be other new groups such as this one of related design and harmonizing fabrics which will represent a new measure of value at moderate prices.



EVERY HOME SHOULD HAVE KARPEN FURNITURE

The group illustrated has the new Karpen-esque springing, soft as down, the fine hair and pure cotton filling, and the all hardwood frames which exemplify the guaranteed Karpen construction present in every piece to be introduced during Karpen Week, regardless of price. All Karpen cover fabrics, including mo-hair, are guaranteed against damage by moths

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297 Sofa—mahogany, tapestry	\$186.75
297 Arm Chair—mahogany, tapestry	95.50
298 Arm Chair—mahogany, damask (down cushion).....	92.00
299 Pull-up Chair—mahogany, velour (down pillow)	64.50
300 Radio Cabinet—walnut	81.00
301 Coffee Table—walnut, marble top.....	58.50

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"Beautiful Interiors"*

A colorful, absorbing book on interior decoration by Edgar W. Jenney. Full of ideas for your home. Send this coupon now, with 10c for mailing costs, to S. Karpen & Bros., 801 S. Wabash Ave., Chicago; 37th and Broadway, New York; or P. O. Box 604, Los Angeles, Cal.

What dealer near me is holding Karpen Week?

NAME S-10

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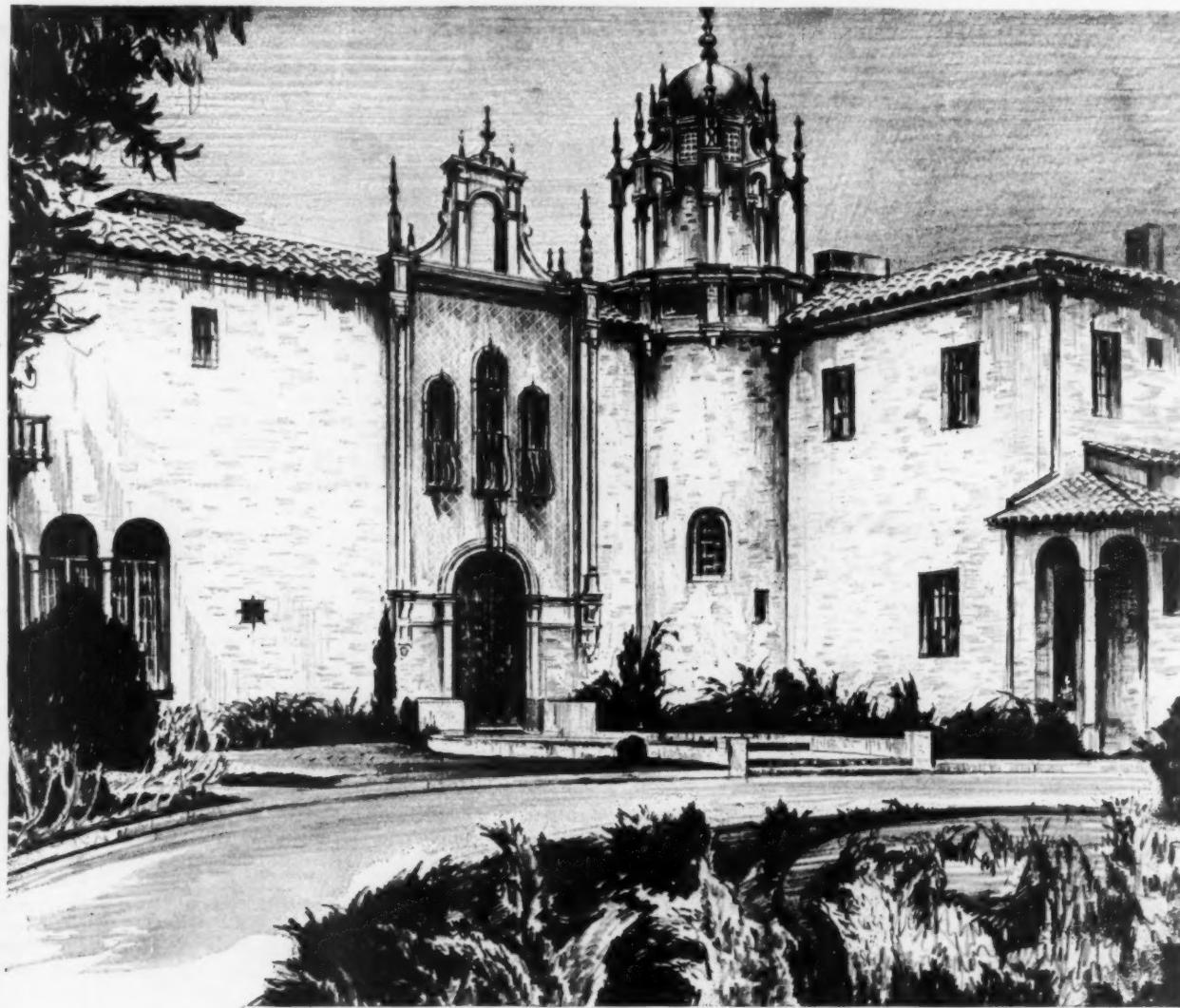
Insulite is an all wood product, chemically treated to prevent deterioration.

ARCHITECTS and good builders everywhere use Insulite. Your lumber dealer carries it in stock. Ask him about Insulite. Also write for a free copy of "Increasing Home Enjoyment" and a sample of Insulite to test for yourself.

THE INSULITE COMPANY

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MINNEAPOLIS, MINNESOTA

Mi Sueño, sixteenth century Spanish and Italian Renaissance home of S. W. King, Dallas, Texas. Allan Boyle, Architect. Walter Whistley, Builder. M. Jacques Carlu, critic, interior decorator, and painter of the fine mural in the dining room, a room praised as unrivaled in its conception and inspired by the Davanzati Palace of Florence.



The grandeur of Old Spain relives in this Estancia of today

"ONE of the finest Spanish Renaissance homes in America." Thus critics pay tribute to *Mi Sueño*, Dallas residence of S. W. King.

The beauty of its sixteenth century Spanish and Italian architecture is outlined against the Texas sky whose varying hues are reflected in the soft Mediterranean pink of its stucco exterior. Above the entrance, flanked by sculptured stone columns, the facade rises in blue and gold tiling. Stone flying buttresses surround a dome, capped in blue.

No effort was spared, no detail omitted, that might contribute to perfection. Architect Allan Boyle was sent to Spain where he studied for months refining his plans. Then to Fontainebleau where the criticism of the great M. Carlu, Directeur of the Ecole des Beaux Arts, was secured.

Equally painstaking care extended to the choice of materials. It is significant that Atlas White Portland Cement was selected for the stucco. Only with its pure white base could such exquisite shading of color have been obtained.

Not everyone may attempt so splendid a home. Not all may command European talent. But even the most modest cottage may have the charm, the dependability, and the fire-safeness of Atlas White stucco, so eloquently recommended by *Mi Sueño*.

You can purchase Atlas White or Atlas Gray Portland Cement in any quantity from your own building material dealer. He is the only distributing agency between the Atlas plants and your concrete job. The flexible service which he offers on Atlas and the direct delivery of cement to the user bring Atlas to you at less expense than by any other method. And because he performs this essential, economic service, the dealer makes a vital contribution to the upbuilding of the community.

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*Safeguards the Home with
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THE ELECTRIC FURNACE-MAN insures protection, barring out fire-hazard, minimizing winter colds and other ailments, and further aiding health by providing UNIFORM HEAT—without smoke, smudge, dust or irritating odors.

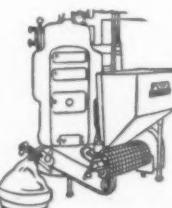
This MODERN scientific achievement is a mechanical device which uses the economical Buckwheat or Rice sizes of ANTHRACITE. Brought to a high state of perfection—time-tested and proved in thousands of installations—this device is revolutionizing home-heating practice. It is giving home owners a new conception of AUTOMATIC HEATING EFFICIENCY—with absolute SAFETY.

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Labor-saving—no grates to shake—no drafts to regulate. Here is AUTOMATIC HEAT without hazard. Easily installed in a few hours and at a very reasonable cost.

Arrange now for your installation and insure next winter's comfort.

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7 Dey Street, New York

I would like to hear more about this interesting system and have you arrange to show me one or more local installations.

Name _____

Address _____

Rigid floorings

Continued from page 56

the concrete underflooring. For a more pleasing effect at slight additional expense, the cement should be marked off in squares to resemble tile and a border run around the room, similarly marked. When we come to the painting of such a floor it is then not too difficult to make the field one color and the border another, or a darker shade of the same, and thus to give a little more life to the floor than by leaving the cement entirely untouched. Care should be taken, however, if squares are decided upon, to see that they are in scale with the room size and that they come out even at the borders. It is best to make a drawing, not to leave it to the aesthetic discretion of the mason, as might be done by the owner who leans toward the first extreme mentioned, and there draws his only line.

Next in cost to cement floors for these rooms come the patented mastic floorings and the patented magnesite floorings put on with a trowel; and the asphalt and other plastic floors which are laid hot. Such floors are not commonly used in residences, because the cost brings them into competition with the cheaper forms of quarry tile, and the appearance of the latter is preferable until we get up to the field of pre-cast magnesite composition floors to be discussed further on.

Quarry tile and "promenade" tile are the most popular porch floor materials for medium-priced homes. Omitting the qualifying adjective, they are undoubtedly "tile floors," yet the cost per square foot is far below faience and other glazed tiling. As a general rule the least expensive quarry tiles are the reds; uniform in color both in the individual square and in the field of squares as laid; although there are some new tiles made in random widths resembling the well-known "Heatherbrowns" of Scotland.

We are still on the first floor and we are considering materials for the enclosed porch floors and for the terrace and the vestibule. Bluestone and slate may be used in any of these places, giving slate a slight preference because of the range of color available; only here again we must pay more if we choose the color variety. Both materials possess an advantage over anything mentioned so far, in that they may be broken up into odd sizes and shapes and thus made into a more informal design.

We are now going a little higher up the price ladder as we proceed to a consideration of magnesite slab flooring. The generic name is no doubt less known than some of the trade names of the products themselves, but the group comprises all floor coverings made of wood fiber combined with calcined magnesium oxide and treated with a weather-proofing binder before being pressed into slab form, in hydraulic molds. These floors come in a great variety of designs and colors, they are light in weight and soft underfoot, and they may either be applied by carpenters, by nailing, or by masons over a bedding compound on a concrete base. They have the advantage of being unusual; they are extremely adaptable to fit the space conditions, since the slabs may

be cut with a saw; and they are fire-proof.

Beautiful colored floor tiles may be had in infinite size and variety of coloring and finish, and that for anyone who can resist temptation a visit to the showrooms will be amply repaid. It would be well to give warning, though, that temptation will here loom very large, since nothing may be so beautiful nor add so much to the appearance of a foyer or enclosed porch as a well-chosen color combination of faience tile, matt-glazed, and properly set—if we forget cost!

We should always remember that the floor is not finished until the base has been decided upon. The best rule is to make the base about six or eight inches high, and of the same material as the floor. The color should as a rule match the color of the border, but some very fine effects may be had in a daring strong contrast, subject to good advice and careful thought. In any case, do not forget the base, nor let your architect or builder make it of wood if the floor is of cement, slate, or tile.

On the second floor most of the rooms will of course be floored in wood as discussed in the first of these articles. The bathrooms, however, may have rubber or cork tile, composition tile in which the main part is either of these materials, or ceramic tile. The old-fashioned tile floor consisted of hexagonal white tile, and that was all. To-day we think a little more before choosing. An effective bathroom floor costing only slightly more than hexagonal white is made by combining black and white squares of ceramic tile into a checkboard pattern, and using a black border and black cove base.

Flat porch roofs are ordinarily covered with tar and gravel, with asphalt roofing felt, with tin, or with copper. With all these coverings they remain roofs and are never floors. If instead we use a heavy canvas roofing, properly laid in a heavy coating of white lead thinned with linseed oil and well painted, we have a serviceable floor. Such a floor is not good for heavy traffic or everyday use, but it is light and comparatively cool, and it makes use of space that would otherwise be wasted. The trade term for canvas is "waterproofed cotton duck fabric" and there are several good kinds on the market, with specifications for proper laying with galvanized or copper nails. This floor requires repainting every few years, but the first cost is lower than for roofing material, so the upkeep should be no bar to making the choice.

Our flooring trip through the house is now completed, and we have had a chance to look over every material in common use at the present time for residences. It is asking a good deal to expect each home builder to go through the entire list before making his choice.

Leave the technical details to the architect if we will, we must still make the final decisions, and with us alone lies the responsibility for the choice of materials submitted to us. Let us not neglect, then, to think carefully about the floors and flooring, and, above all, let us remember the password, "watch the underfloor."

To "La Chosa" the Palm Beach home of

Mrs. JOHN SARGENT PILLSBURY

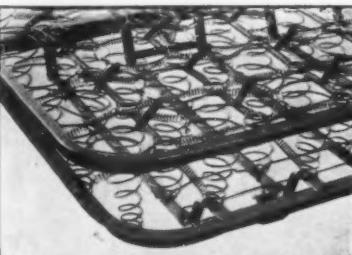


MRS. JOHN SARGENT PILLSBURY

She is lovely, with masses of wavy brown hair, vivid eyes, a statuesque carriage. She plays golf and tennis with as much ease as she directs her favorite charities. She has wide social connections in Minneapolis, Palm Beach, wherever she goes, and she is a moving spirit in the musical and cultural life of her home cities. She is much sought after, yet remains unspoiled, as charming as she is lovely.

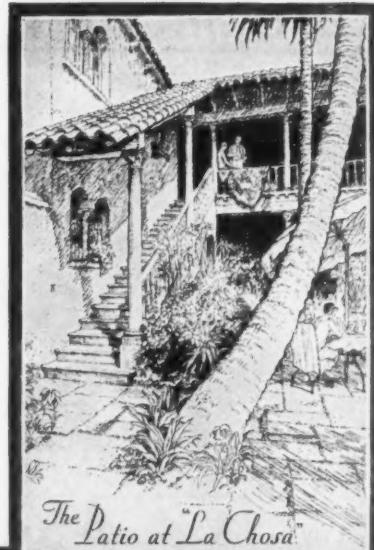


The inside of the Beautyrest—the superior inner coil construction makes this mattress supreme! Hundreds of finely tempered coils in separate pockets insure individual action, are stitched to edges. Over coils, thick upholstery. Damask covers, choice of six colors, two designs. The Ace Box Spring matches the Beautyrest Mattress in every detail of superior construction and fine finish.



Simmons Ace Open Coil Spring, light in weight. Hundreds of closely placed coils afford marvelous resiliency. Small governor springs prevent side-sway; banded border protects sheets.

this Spring and Mattress
bring fitting Comfort



The Patio at La Chosa



In this lovely Spanish bedroom Mrs. Pillsbury has a Beautyrest Mattress and Ace Box Spring. She says, "For the well-ordered home I consider these mattresses and springs a necessity."

"LA CHOSA," the Palm Beach home of Mrs. John Sargent Pillsbury, is furnished with the luxury of old Spain, yet maintains the modern standards of well-ordered American living.

In this colorful bedroom sunlight streams through many windows, suffuses creamy rough plaster walls, vivid hand-blocked linen hangings, rare antique embroideries, and enriches the old carved Spanish pieces.

Mrs. Pillsbury chose Bed No. 1581 by Simmons, most harmonious for this setting, and fitted it with the famous Beautyrest Mattress and Ace Box Spring.

"For above all," in Mrs. Pillsbury's own words, "I wanted complete comfort. The buoyant Beautyrest is exactly right with the resilient Ace Box Spring. I have discovered that for thoroughly

restful nights there is no equipment like Simmons."

Simmons is justly proud of their achievement—the evolution of this wonderful mattress. Because of its unique inner construction—hundreds of resilient coils which give proper distribution to body weight—the Beautyrest insures complete, unbroken rest. And the new Ace Box Spring matches it in superior construction and finish.

In furniture and department stores, Simmons Beautyrest Mattress, \$39.50; Ace Box Spring, \$42.50; Ace Open Coil Spring, \$19.75; Beds, \$10.00 to \$60.00; Bed No. 1581, \$32.75. Look for the name "Simmons." The Simmons Company, New York, Chicago, Atlanta, San Francisco.

Send 10¢ to the Simmons Company, Dept. B-14, 666 Lake Shore Drive, Chicago, Ill., for "Bringing Beauty and Comfort to the Bedroom," a book with photographs of bedrooms of distinguished women, and decorative ideas.

© 1929, the Simmons Company

SIMMONS

WORLD'S LARGEST MAKERS OF BEDS • SPRINGS • MATTRESSES

THE DRAMATIC BEAUTY

OF ORINOKA DRAPERIES



**SUPERB DESIGNS—INTRIGUING
WEAVES—AND THE RICHNESS
OF COLORS THAT ARE
GUARANTEED FADELESS**

IT IS A COMFORT to know that whether one is decorating a country house, or merely furnishing a room in a city apartment—there are Orinoka draperies to achieve any decorative scheme. For in Orinoka draperies style and beauty are combined with color permanence, assuring good taste as well as true economy. Whether the designs of the Orinoka draperies express our own new art or that of ancient civilizations; whether the fabrics are of deep chenille in a gorgeous fantasy of scarlets and golds or sensitively sheer in mysterious mellow tones—the arresting colors of these Orinoka fabrics are guaranteed fadeless. The threads in Orinoka draperies are hand-dyed by a special process that makes them fast. If the color changes from washing or exposure to the sun, merchants are authorized to replace with new materials or refund the purchase price. Assurance



of the color fastness of Crinoka draperies is given by the guarantee tag attached to every bolt. It pays to look for it. We have just issued a new and interesting Orinoka booklet, "Drapery and Color Harmony." It is illustrated with full color drawings of smart interiors and reproductions of the materials used. It is filled with practical suggestions. We believe you will find it well worth owning. A copy will be sent on receipt of 20c in coin. The Orinoka Mills, Department A, 215 Fourth Avenue, New York.



ORINOKA
DRAPERIES—SUN AND TUB FAST

Furniture and fabrics for the nursery

Continued from page 22

unfinished pieces in desirable designs so that unique color schemes may be developed in paint, stain, lacquer, and varnishes, applied at home or in the furniture atelier.

Another choice is in the finished furniture among sets which have been decorated with designs of especial appeal to children. One such set shows the simple good characteristics of certain Early American pieces, noticeable in base and feet of the chest of drawers and dresser and in the wooden drawer pulls. This set is lacquered in colors, with a small decoration of flowers. But on several pieces of this set enchanting animals appear as well. A pair of pussy cats stare mysteriously at each other on top of the chest of drawers, fat puppy dogs guard the opening in the toy cupboard, a pair of large white mice sniff at the letter rack on the writing table. Two bunnies sit patiently on top of the dresser in just the right position to support the mirror while another dresser in the same set shows two squirrels performing the duty of mirror support. A family of ducks completely surrounds the clothes tree. Two large squirrels frisk at the foot of the bed and a very fat elephant completely fills the end of the crib.

Another set is of garden inspiration. Slender, flowering trees make the posts and legs of the furniture while a little country house and garden appear in delightful color on the end boards of the bed, across the doors of the toy cupboard or clothes chest, and on the drawers of the bureau and dressing table. Whenever possible the garden design and the slender trees are introduced.

Rooms furnished with these decorated pieces would probably be the better for plain walls and curtains, lest there be too much pattern to distract a child's attention from his own interests. However, additional pattern and color might be introduced in a flowered linoleum on which washable rugs are laid, the rugs either braided, or of one of the amusing toyland patterns now shown for nursery use. The wall might be painted or papered (and glazed for

washability), the curtains any of the many cotton, linen, rayon, celanese, or other textiles offered in varied colors both plain and patterned.

But in the rooms where furniture free of applied colored decoration, or at least very simple in design is used, the patterned fabrics and patterned wall papers must have their chance to appear not only because they are rich in decorative possibilities but because there are now many productions in these so worthy of use.

How satisfying if one were six or eight years old to dwell in a room where the history of toys is depicted in gay colors at the window and in the bed covers. This is no dream of the nursery decorator but is an actuality in a lovely linen, designed by Tony Sarg for just such uses. Besides draperies and bed cover, there might be cushions for the window seat, flat pads for the chairs, and boxes and other objects covered with this fabric. The colors which are the gay ones of a child's paint box will find an immediate welcome. This fabric is écrù linen and the design, which depicts the history of toys from the most simple very early ones to the elaborate marionettes of to-day, is hand printed in several colors. A solid color from this design might be used in sateen or linen to bind the curtains and other pieces, or the furniture of the room in which the fabric is used might be painted in some color from the fabric.

Another piece of linen, excellent for use in the children's room although popular with the grown ups, too, is designed by the same artist. This is called "Once Upon a Time" and on it is thrillingly portrayed scenes from fairy tales and history; gentlemen shooting, shepherds shepherding, swordsmen dashing here and there, spinners spinning, the cow jumping over the moon, cavaliers, ships a-sailing, horses and carriages.

Another designer, Marion Downer, has sought the circus for her design, which is of conventionalized Jack-In-The-Box, Pierrot and Pierrette, and performing bears with a sprinkling of bouquets and stars for good measure.

Guideposts for property buyers

Continued from page 25

his judgment and abide by his decisions.

If he declares that certain objections have been satisfactorily removed you may rest assured, for the risk of error is then assumed by his company and you are protected.

Difficulties develop only when the title closer refuses to waive an objection. If such a situation should arise, someone will undoubtedly turn to you and ask if you will take your policy "with an exception." The only safe answer is "No," or, "Not until I consult my attorney." What they are asking you to do is to take the title policy with a clause included in it saying that the company is not liable, if your title should be attacked on the ground of the objection which the closer refuses to waive.

The subject clauses of your contract will be copied into your title

policy as exceptions. About this there can be no possible objection. You cannot ask a title insurance company to insure more than you are buying. But unless you are represented by an attorney, you should see that no other exceptions are written into the policy. I have seen title policies with so many exceptions that they are not worth the excellent quality bond paper upon which they are printed.

If your closing develops into a deadlock, the title closer refusing to waive the objection and the seller either refusing or being unable to dispose of the objection to the satisfaction of the closer, the difficulty, so far as you are concerned, may be avoided by the seller making a deposit of money with the title company which it agrees to repay to the seller when the objection to the title is removed. If no such (continued on page 64)

LUPTON CASEMENT WINDOWS



THESE COSY WINDOWS KEEP OUT COLD AND CUT DOWN COAL BILLS

THROUGH the crisp October afternoon floats the drowsy scent of burning leaves. Puffs of wind scamper through these smouldering ghosts of summer in a final frolic. The sparkling air carries more than a hint of approaching winter. And with storm-doors and snug-fitting casements, houses prepare to repel the ancient enemy.

The same Lupton Steel Casements which opened, like outstretched hands, to

welcome the summer breeze, are now shut tight. Against this impenetrable armor, icy winds will howl in vain. For Lupton Casements are built to lock out cold and dampness. Sash and frame join in a double contact of steel on steel. This special Lupton feature obviates weather-stripping and saves coal.

Lupton Casements are patterned in the modern manner . . . with excellent taste.

Slender steel lines divide the crystal panes with charming delicacy. The conveniences of these windows are many: The Lupton friction-hinge assures smooth, squeakless operation. Lupton Casements are so constructed that the windows can be washed from within the room. They will not warp or stick in

any weather. And . . . they do fix the age of the house as surely as the date carved on the walls of a Victorian residence.

Lupton Casements cost very little more than the average old-fashioned window. If you plan to build, or to remodel, have us send you the free booklet, "Better Windows for Your Home." David Lupton's Sons Company, 2267 East Allegheny Avenue, Philadelphia, Penna.



(LEFT) Notice how Lupton Steel Windows add to the attractiveness of this dining-room.

(RIGHT) Lupton Steel Casements provide air, light and protection for this charming bedchamber.



Clean and White Next Summer



House at Newport, R. I. Architect, Charles Barton Keen, Philadelphia. Contractor, Milton W. Young, Philadelphia. Walls finished with Cabot's Old Virginia White Collopkates.

A HARD New England winter will have little effect on the waterproof surface given this beautiful new house by Cabot's Old Virginia White. It will be as clean and bright next summer as it is today.

Old Virginia White, one of the famous Cabot Semi-Flat Collopkates, gives to brick, stone, wood or stucco, a clean, cool "white-wash white" effect; yet it is more durable than paint and, unlike paint, does not hide the natural texture of the surface and retains its soft white tone with age.

Mail the coupon today for full information.

Cabot's Old Virginia White Collopkates

Made by the makers of the celebrated Cabot's Creosote Shingle and Wood Stains and Cabot's Semi-Flat and Gloss Collopkates in brilliant and lasting colors.

Samuel Cabot
Inc.
141 Milk Street, Boston

Please send me full information on
CABOT'S COLLOPKATES

Name _____

Address _____

A. H. 10-29

Guideposts for property buyers

Continued from page 62

arrangement can be made, your only safe course is to request an adjournment of the closing so that you can consult a lawyer. You are out of your depth and any other course may lead to difficulty.

Many real estate developers advertise that they give free title policies to purchasers. Such an offer may not be as generous as it sounds. I have been told of a case in which a builder bought an old estate and divided it into 50 x 100 feet building lots which he offered for sale. His advertisement featured free title insurance policies which were to afford complete protection to purchasers, and for which there was to be not a penny charge. A number of people bought lots on the assumption that the free policy would guarantee their title. Everything went well until someone discovered that there was an old restriction on record providing that no building on the property could be constructed on less than one acre of ground. It looked as if the lots were useless, but, what of it, the purchasers asked. The title company would make good their loss. Then they looked over their policies and discovered a clause which read: "This company does not insure against such a state, interest, defect, objection to title, liens, charges, and incumbrances affecting said premises, as are set forth below: '1. Covenants, restrictions, and easements of record."

In other words the title company insured the title *except* as to restrictions of record. The purchasers, therefore, could not look to the company for reimbursement.

There are two types of title policies, and, while you have no choice of the one you receive, the difference between them is worth noting. Many companies operating in the Middle West issue policies which protect the title only against direct attack. Such a policy insures you peaceful possession of the property, and if a lawsuit is started against you, seeking to deprive you of possession or title, the title company will defend the action and reimburse you if you lose.

Getting the most out of your heating plant

Continued from page 28

or partly burned coal should not appear in the ashes at any time.

If the boiler is of ample capacity, fuel containing a fair amount of fine material or slack may be used without disadvantage, provided careful attention is given to firing. High grade fuels, which are low in ash and high in heat units, are a much greater convenience than low grade fuels. It is doubtful, however, if they are any more economical. The convenience of high grade fuels lies in the fact that the firing need not be done so frequently and that there will be fewer ashes.

If soft coal is used, it should be fired frequently in rather small charges by alternate or coking method and all overdrifts should be closed as soon as the coking process is done. Spread a thin layer of fresh coal over the fire-bed, in order that a high enough temperature is maintained

The second type of policy is employed by all title companies in New York City, and, generally, throughout the East. In addition to furnishing the same protection as the first type, it also insures the marketability of your title.

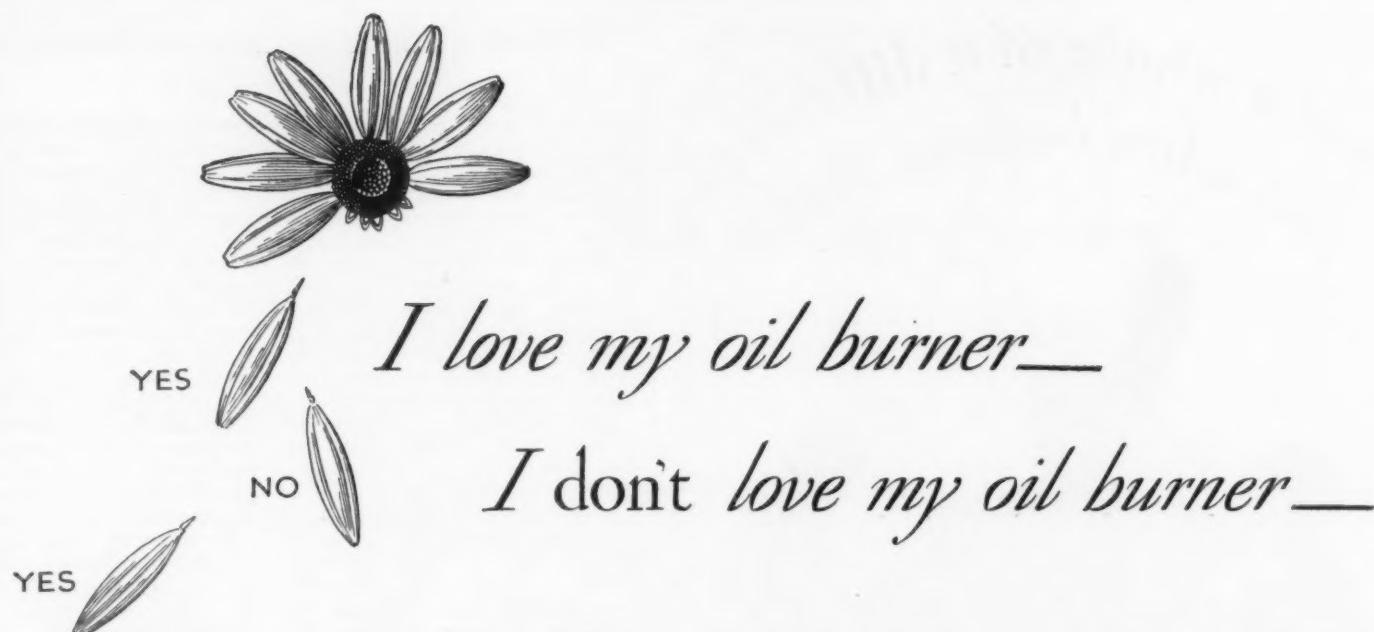
In addition to the legal difficulties which must be disposed of at the closing, there are ordinarily a number of arithmetical adjustments which must be made before the exact amount which is to pass from buyer to seller can be determined. For example, if a house is taxed at \$120 a year, payable on the first of January, and the house is sold on the first of August, it is obvious that the purchaser owes the seller half of the taxes, which has been paid in advance. If this amount is not paid, at the closing, the purchaser is getting the house tax free for six months. The instance we have chosen is an easy one, but when the tax is payable twice a year the arithmetic may be a trifle more complicated.

The contract of sale usually provides for the adjustment of taxes, interest on mortgages, insurance premiums, and rent. If the contract does not so provide, the taxes are paid when they become due by the person who owns the house. Whether such an omission works to the advantages of the buyer or the seller depends upon the particular circumstances of the transaction. Thus, in New York City, taxes for the first half of the year are payable on the first of May, and for the second half of the year on the first of November. If title is closed after May first and before August first, and the taxes are not adjusted, the seller will be the loser, because he has paid the taxes for the first half of the year. If on the other hand title is closed after August first and before November first, the purchaser will be the loser; he will be required to pay the taxes for the entire second half of the year. It is, therefore, fairer to both parties to have a provision in the contract requiring that taxes are to be adjusted. The same procedure is adopted in adjusting interest on mortgages, insurance premiums, etc.

to burn the volatile gases from the coal and so avoid waste. Under no circumstances should a fire ever be allowed to burn so thin as to develop holes in the fire bed. Holes in the fire bed permit the cold air from the ashpit to go up around the sides of the fire pit with the result that the heating surface of the boiler is cooled.

No heating system, no matter how well constructed or how well installed, can function perfectly unless the chimney is absolutely tight. The chimney should have a continuous fire glazed flue lining from top to bottom. Never should a smoke flue be less than ten inches by ten inches, and in most cases should be at least twelve inches by twelve inches, inside measurement. The smoke pipe should "slope up" to the chimney and should be straight and short.

All radiator heating plants should be equipped (*continued on page 66*)



Important facts for people... about to install Oil Burners

PEOPLE who have already installed oil or gas burners are divided into two groups. Those who are loud in their praise. And those who are not so loud. The rock on which their opinion splits is the cost of operation. (And this difference of opinion exists even among those who use the same oil burner.) Then what is it that makes oil burners economical in one case and wasteful in another?

Frankly, it is the difference in the efficiency of boilers. The comparative newness of oil and gas burners has obscured the fact that they are not different and new methods of heating, but in reality only different fuels. The efficiency of the boiler in burning the fuel and in absorbing heat from the fuel remains the prime factor in the cost of heating.

If that is the case, why have oil and gas proved wasteful in some boilers that were fairly economical when coal was burned in them? Because oil and gas as fuels are far more efficient than coal, producing many more heat units per minute. But their very efficiency as fuels, makes greater demands upon the efficiency of the boiler.

A given boiler can absorb just so many heat units per minute and no more. It might be able to absorb all that a coal fire could supply and yet not be able to absorb all that oil or gas can supply. While the excess heat units that it cannot absorb go merrily up the chimney—a sheer waste of expensive fuel.

You pay for your boiler only once. But you pay for coal, oil or gas year after year—that's where the saving can be made.

The New Smith "16" is Especially Adapted for Oil or Gas

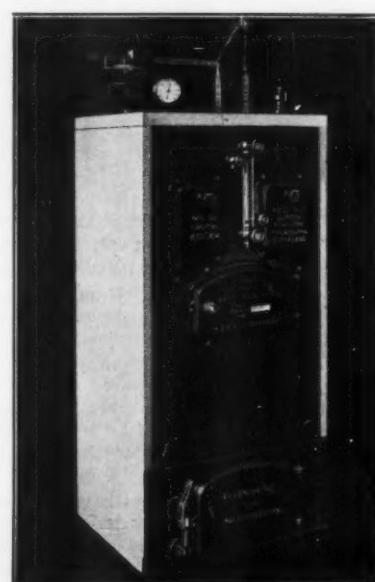
In the New Smith "16" efficient absorption of heat is assured by the design and the extra large area of the Fire Surface. It has enough fire surface to absorb more heat than your house will ever require. It has more fire surface than any other boiler of equal grate area. In addition, its firebrick lining prevents escape of heat through the boiler walls and tends to prolong the heat-giving period after the fire is banked or shut off. These are the efficiency features which you especially need for an oil or gas burner.

The cost of heating even when on an efficient basis is one of the largest items in running a house. Whether you now have an inefficient boiler or are

going to build and want to avoid installing one, and whether you burn coal, oil or gas—you owe it to yourself to go into this subject carefully. Ask any good Architect, Engineer or Heating Contractor about H. B. Smith Boilers in general and the New Smith "16" in particular.

Send for our free booklets

It would take more space than is available here to explain the many efficiency features of the New Smith "16"—features that insure efficient burning of fuel and efficient absorption of heat. But let us send you a copy of our booklet, "The Smith 16", which will give you an idea of their importance and value, and also a copy of, "Does it Pay To Install an Oil Burner". Simply mail the coupon below.



THE H. B. SMITH CO.
Dept. L-6, Westfield Mass.
Gentlemen: Without cost or obligation to me, please send me a copy of each of your two booklets.

Name.....

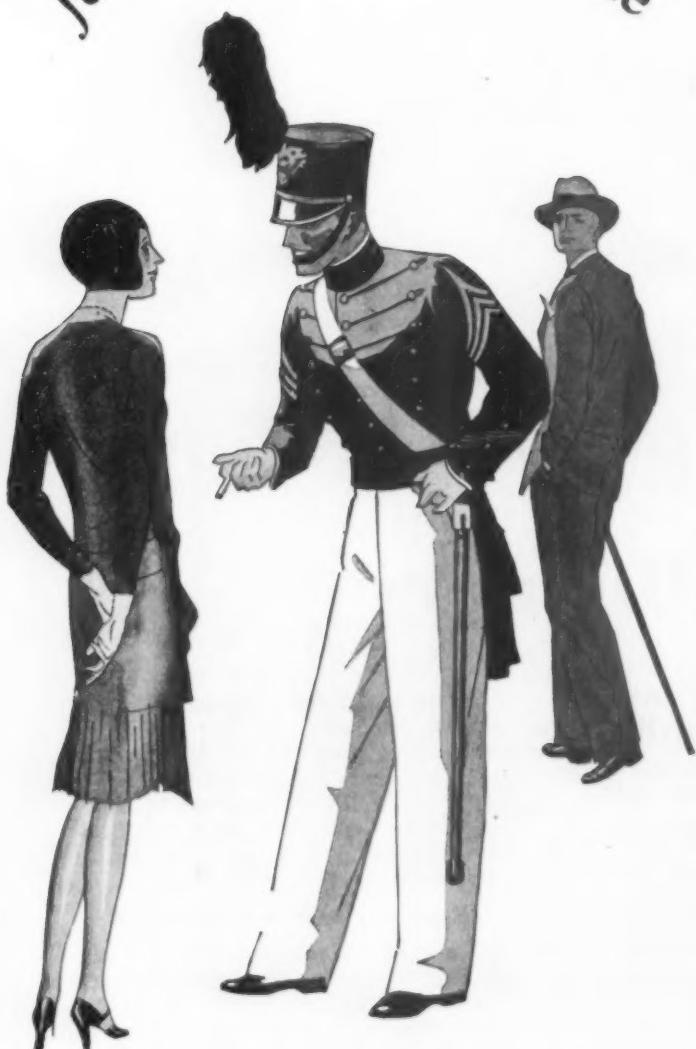
Street.....

City..... State.....

THE H·B·SMITH
BOILERS & RADIATORS
Used in fine homes and buildings since 1860

The H. B. Smith boilers for steam, hot water and vapor heating radiators; and hot water supply boilers; for factory and public building.

*what a whale of a difference
just a few buttons make*



YES
*and what a whale of
a difference just a
few cents make*

A definite extra price
for a definite extra
tobacco-goodness

fatima
CIGARETTES

LIGGETT & MYERS TOBACCO CO.

Getting the most out of your heating plant

Continued from page 64

with a shut-off cross damper in the smoke pipe to modify, if need be the intensity of the chimney draft. The check damper should be used for the ordinary regulation of the fire. With the check draft closed, the fire should burn up quickly when the ashpit draft damper is open. Otherwise the draft is deficient. If the draft is deficient, the home owner should look to the chimney or to the smoke pipe, which may have too many elbows or obstructions in it.

While all boilers are equipped with a "lift damper" or slide in the fire door, this should never be used instead of the check damper.

Some type of automatic damper control is essential to economy of operation. Without automatic damper control, it is practically impossible to prevent violent fluctuation of temperature, unless trips to the basement are made very frequently. *It is much cheaper to maintain an even temperature than to bring the building up to the desired temperature after it has once fallen off.* The house should be kept at a uniform temperature and not be allowed to cool off at night.

There are two kinds of automatic damper controls on the market. One type depends for its control upon the pressure of the steam or the temperature of the water. The other type controls the draft in accordance with the temperature of the room. The former is standard equipment with all of the new jacketed boilers. In a climate subject to radical changes in temperature, however, there is a disadvantage in this type of control because the control system would

have to be adjusted as higher temperatures of steam or water are necessary to offset lower temperatures outside. For this reason many people prefer a temperature control system based upon the temperature of the room in addition to the boiler temperature control system. The temperature of our room must be as low as is consistent with comfort. A temperature of 68° with the proper humidity is much more healthful than a temperature of 75° with dry heat. Mild heat from which the moisture has not been extracted is better than air which has been heated to such a high point that it is necessary to resort to artificial means to replace humidity.

In order to insure the utmost economy in the operation of a heating system, the boiler should be covered with some heat retaining material at least one and one-quarter inches thick.

The entire heating system should be periodically inspected and kept in first class condition and a defect of any sort repaired immediately.

The most important feature of the annual inspection and cleaning of the heating plant is the removal of all soot from the smoke pipe and the flue as well as from all heating surfaces in the boiler.

It is advisable to drain the entire heating system in the spring as soon as the heating season is over and immediately refill with fresh water. Steam boilers should be filled to the top during the summer, and the water drawn down to the proper level of the gauge glass in the fall before starting the fire.

When the house is ready for paint

Continued from page 21

home will be far more convincing than hours spent over the paint cards.

In choosing a color scheme, it should be remembered that colored pigments stop the ultra violet rays of sunlight more effectively than does pure white. Under normal conditions, a tinted house can be given a five year lease of paint life, while the allotted span of a white surface is approximately a year less.

In no phase of home building is economy more expensive than in the use of inferior paint materials for outside work, whether the paint be bought ready mixed or the blending done on the job. Prepared paint has the advantage over home mixed that it usually contains materials not available for hand blending. Then, too, these are more uniform, for the mixing can be done more thoroughly by the powerful machines of industry. The color formula is always the same so that more paint can be obtained, if necessary, with the assurance that it will match exactly. When the paint is prepared on the job, it is necessary to mix more than enough, for a second lot will rarely come out quite the same shade. If the painter is to do the blending, colors ground in oil will greatly reduce his labor, and these are not likely to lump or streak under the brush. Soft conservative shades are usually more permanent than the bright strong colors.

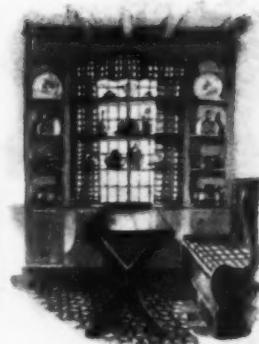
Any house will be improved by washing after the paint is a year old, and professional painters, especially in localities where much oil is burned, are usually informed on how this should be done. With a soft brush, neutral soap, and lukewarm water, the surface can be so refreshed as to look like a new coat of paint at half the cost.

An interesting and successful development in home painting is the use of aluminum paint—familiar to industry—as a priming coat underneath the regular oil paint. The tiny overlapping flakes, like fish scales, form an opaque, light-proof covering, a regular coat of mail for protection. And the thorough waterproofing of the wood underneath prevents all possibility of warping or checking and so eliminates peeling or chipping.

The soft artistic texture of fresh whitewash—so familiar throughout the South in the spring—may be combined with the permanent qualities of paint through the use of white stain. Shingles may be dipped in this compound before laying, giving a transparent white effect which shows the tone, grain, and texture of the wood.

Then, too, there is a wide range of tinted stains, which hold their color well and are less expensive than good paint. When these contain creosote they have (continued on page 70)

Open shelves of French Provincial design frame the window of this charming breakfast nook and display the gay breakfast things grouped thus conveniently at hand.



This delightful kitchen by LUDLOW & PEABODY

is made Individual, Livable, Charming, with REAL TILES



A dresser work-table and a commodious pot closet are among the unusual features of this well-planned kitchen.

FIFTH OF A SERIES of distinguished rooms, designed with Keramic Tiles by America's leading Architects

THE modern architect makes the kitchen as interesting as any room in the house. He utilizes every labor-saving convenience that science provides, but at the same time gives this room a wealth of charm and a genuine livability.

Keramic Tiles are the medium which architects everywhere are employing to bring about this union of utility and beauty. The lovely, changeless colors of Keramic Tiles, their interesting texture, their variety of size and shape, make them practicable for the most unusual and distinctive designs. And in a kitchen, nothing can take the place of Keramic Tiles for cleanliness and long wearing qualities. Non-absorbent—inodorous—impervious to scratch or stain, to heat and moisture—they keep their beauty through the years.

Let us send you—free—our illustrated booklet *Enduring Beauty in your Home through Keramic Tiles*. It will give you many interesting



The hooded, tiled recess into which the stove is built, conducts all vapors away from the kitchen, and contributes great interest and charm to the room.

facts and suggestions about the new ways in which Keramic Tiles are being used in beautiful homes throughout America. Mail the coupon today! Associated Tile Manufacturers, Dept. A-10, 420 Lexington Ave., New York, N. Y.

A wonderfully interesting booklet FREE

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420 Lexington Ave., New York, N. Y.

Please send me, free of charge, your booklet,
*"Enduring Beauty in your Home
through Keramic Tiles"*

Name _____

Street _____

City _____ State _____

K E R A M I C T I L E S



THE four essentials of a modern kitchen are found in this Crane room. Restful color, in the sun-tan walls, brown and black linoleum, Lucerne blue *Corwith* sink. Good lighting, from the window at the right of the *Corwith*, flooding its roomy beauty. Correct arrangement, in the placement of the *Corwith*, the table, and stove, only a step apart. And lastly, convenient, sanitary equipment in the *Corwith* itself. . . . This new sink of

acid-resisting or regular enamel has many points of real convenience not found in ordinary fixtures. Fittings out of the way in a recess eliminate obstruction and breakage. A lever-operated outlet stopper permits use of the sink as a dishpan. A hose and spray rinses vegetables and dishes. . . . To see all its advantages, visit nearby Exhibit Rooms. Ask your architect and plumbing contractor about many other new Crane plumbing ideas.

150 Pounds Pressure



CRANE

2500 Pounds Pressure

FIXTURES, VALVES, FITTINGS, AND PIPING, FOR DOMESTIC AND INDUSTRIAL USE

Crane Co., General Offices, 836 S. Michigan Ave., Chicago • 23 W. 44th St., New York • Branches and sales offices in one hundred and eighty cities

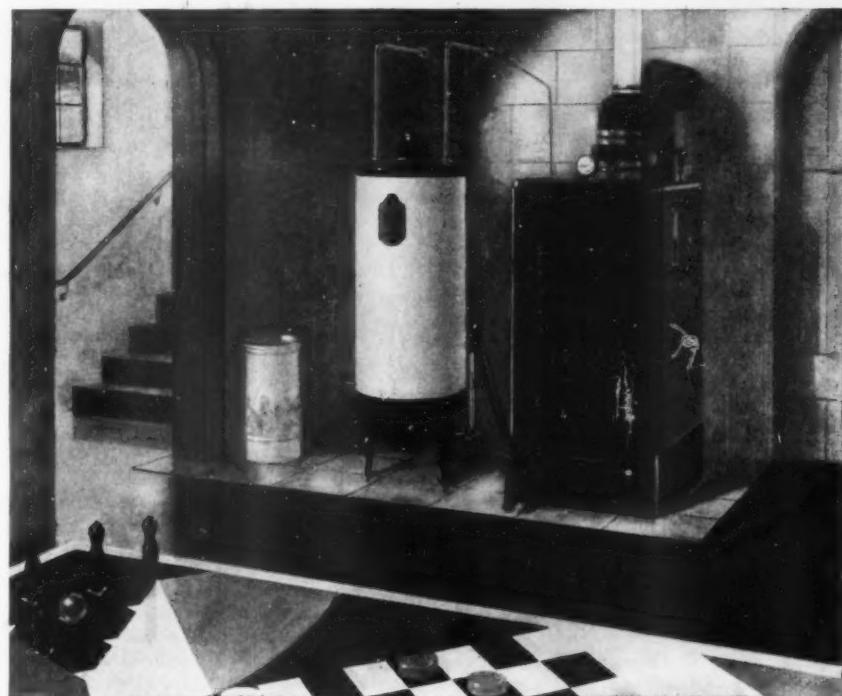
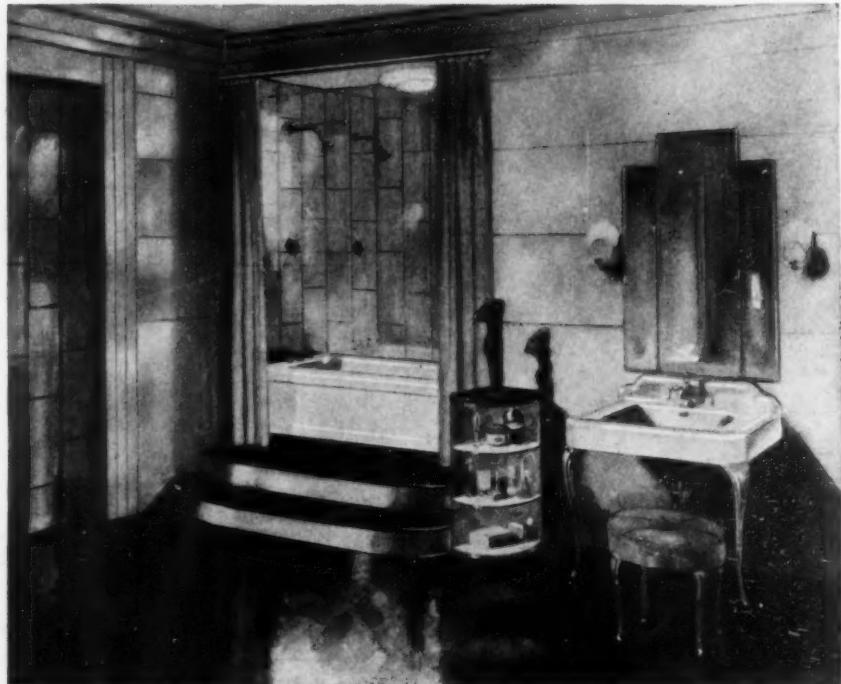
THE INSTITUTION THAT MAKES POSSIBLE A NEW STANDARD OF LIVING COMFORT AND BEAUTY

The modern bathroom and modern radiator heating—the most American things in America—are symbols of our scientific attitude toward home sanitation and home heating.

But we are no longer content with adequate heat and perfect sanitation. The useful must also be beautiful. Plumbing fixtures and heating equipment must now be distinctive both in design and color.

To gratify this desire for beauty, the American Radiator and Standard Sanitary Corporation has created finer forms and colors of exquisite purity for plumbing fixtures. These distinctive designs and colors have made possible a new conception of bathroom furnishing and decoration.

In heating equipment, there is new distinction. The "American" Corto Radiator design has a



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RADIATORS**

American Radiator Products are complete for every heating need, for skyscraper and cottage, whether you use hard or soft coal, coke, oil, or gas.

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SHOWROOMS IN ALL PRINCIPAL CITIES

"Standard"
PLUMBING FIXTURES

are made in Tang Red, Orchid of Vincennes, Royal Copenhagen Blue, Ivoire de Medici, St. Porchaire Brown, Rose du Barry, Ionian Black, Clair de Lune Blue, Ming Green and Meissen White.

gracefulness and simplicity that permits it to become part of the most distinguished interior. Through the efficiency and fine appearance of the "Ideal" Redflash Boiler, the basement of many homes has become an attractive and livable room.

Would you know more about the new beauty of color and design in plumbing fixtures and heating equipment and how these modern necessities may be purchased on a convenient payment plan? Then visit a "Standard" Showroom or an American Radiator Showroom in one of the principal cities or write for the interesting books mentioned in the coupon below.

AH-10-29

AMERICAN RADIATOR & STANDARD SANITARY CORPORATION

40 West 40th Street, New York

I AM INTERESTED IN RECEIVING:

Interesting book with illustrations in color "Color and Style in Bathroom Furnishing and Decoration".

Particulars of your convenient payment plan, by which my home may be equipped with American Radiator Heat for approximately \$75 a room.
The fuel I plan to use: Coal Coke Oil Gas

Information on The Arco Vacuum Cleaner.

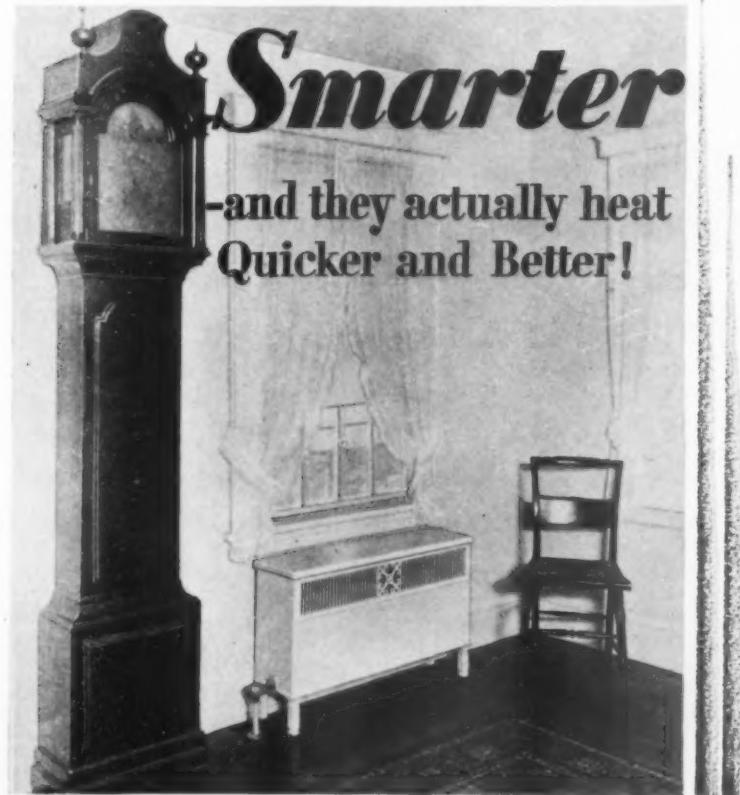
My name is.....

My address is.....

City..... State.....

Newer and Smarter

-and they actually heat
Quicker and Better!



No longer need radiators be bulky, unsightly affairs tending to destroy the charm of rooms, and soiling walls and drapes. For McQuay Radiators, painted or enameled to harmonize with the decorative treatment of rooms, are truly attractive.

Yet they provide healthier, more comfortable heat—and warm rooms much faster.

McQUAY *modern* RADIATORS

With McQuays the heated air is sent into rooms, in a horizontal direction, with sufficient force to drive it clear across, providing the complete circulation so necessary to proper heating. You don't need to "Hug the Radiators" on cold days—for every spot in the room is comfortably warmed. And none of the heat is sent up against the walls and drapes to soil them.

If your radiators are McQuays, the children can romp all over the floors without danger of catching colds.

The copper heating unit is the most efficient means known for transferring heat. The cabinets are sturdily built of *rust-resisting copper steel*, so the entire radiator is immune from rust.

Sold by heating contractors, the cost of McQuays, completely installed, is no greater than for old-style radiators with separate covers or shields.

McQuay Radiators are made in Cabinet or Concealed Types for every heating need. Our new booklet, "Modern Ideas in Radiators," will interest you. Write for it.

McQUAY RADIATOR CORPORATION
General Offices: 35 East Wacker Drive, Chicago
Branches in Principal Cities

When the house is ready for paint

Continued from page 66

extraordinary preserving qualities. The darker shades may be applied right over old painted surfaces, though the result will naturally not be the same as when the stain is dyed right into the wood itself. When renewal is necessary, one coat will be sufficient, though two will be needed if the color is to be changed. And in restaining, a slightly lighter shade should be chosen than the desired color for the transparent stain will dry out darker on the old wood than the samples on the color cards.

Surface treatment of the concrete, stucco, cement, or brick house is

to-day quite as usual as painting of the wood surface—not only because it gives such scope for color individuality but also because the paint offsets the porous quality of brick and counteracts the action of moisture and frost, which causes cracks and hair lines in the cement wall. There are types of prepared paint for this purpose, which dry to a dull velvety finish without the gloss which would destroy the distinctive texture underneath. These paints, too, can be washed and cleaned, and the most charming color schemes may be worked out.

Ready made woodwork for your house

Continued from page 26

deal of it in medieval England, is the material for the paneling one finds in modern Gothic homes. Oak paneling can be bought in stock designs and sizes; many other woods can be bought in the same way. Such paneling is, of necessity, simple. Rooms, especially in English type homes, take many shapes and sizes and a stock paneling must be made of simple elements that can be cut to fit. Of course, many houses of a medieval English character do not have hardwood paneled walls. Sometimes a dado of paneling is used below a rough plastered wall. It is now possible, this autumn, to get wallpapers that in color and design, are in perfect keeping with Gothic interiors although wallpaper was entirely unknown in the Middle Ages.

Paneling, once it became established in Elizabethan England, continued in favor for several centuries. It weathered the extreme change of style from Gothic to Renaissance and was used to decorate the smaller houses of the Georgian era. As this period closed and the Adam style ruled the popular fancy, paneling ceased to be such an important element of decoration. It is only now achieving a well-deserved revival. Many antique rooms in pine and maple have been brought to this country from Georgian homes and although they are no longer painted—the wood being too beautiful to cover up—they show the remarkable architectural ability of the eighteenth century artists and dilettanti. Such rooms have inspired the genius of our own architects and many houses now, both small and large, have at least one room paneled in a soft or hard wood, depending on the style of the architecture.

The greatest source of inspiration for paneling designs is our own Colonial architecture. In the beginning, Colonial paneling approximated the simpler patterns one would find in an Elizabethan manor house. Generally it was used on only one side of the room, the fireplace side, and here one would find rough random width boards set vertically on either side and above the enormous fireplace. The boards would very likely have chamfered edges, which was a simple Gothic decoration. From this simple beginning grew the elaborate panelings one finds in fine old houses from

Maine to Virginia. The later designs were typically Georgian and were always painted. In modern Colonial homes the woodwork is very often left to weather and take on the beautiful patina that only age can give.

Thus far we have discussed only English styles of architecture, because these are the most popular. Paneling was quite as popular in France as in England and woodwork of a sort was, of course, used in Italian and Spanish houses. Mediterranean houses have heavy beamed ceilings and paneled wainscots; dados are occasionally used in Italian houses.

In modern rooms, particularly in those which have a Georgian or eighteenth century French feeling, it is very often possible to simulate a paneled wall by the clever use of moldings. Certain woodworking concerns now sell moldings of excellent design which are strictly authentic.

The splendid wallpaper patterns which are on the market now show that a desire on the part of the public to cover its walls with interesting materials has resulted in some fine designing. The same could and should be true of paneling. A room with some paneling in it, either stained or painted, is generally more effective than one with none. The paneling may consist of a dado with wallpaper or rough plaster above, or it may be a paneled chimney breast in a wallpapered or painted room. It may, indeed, be simply some strips of molding arranged to form panels on a plaster wall, or the molding may enclose a pattern of wallpaper. Our walls need a little more thought than we have, in recent years, given them.

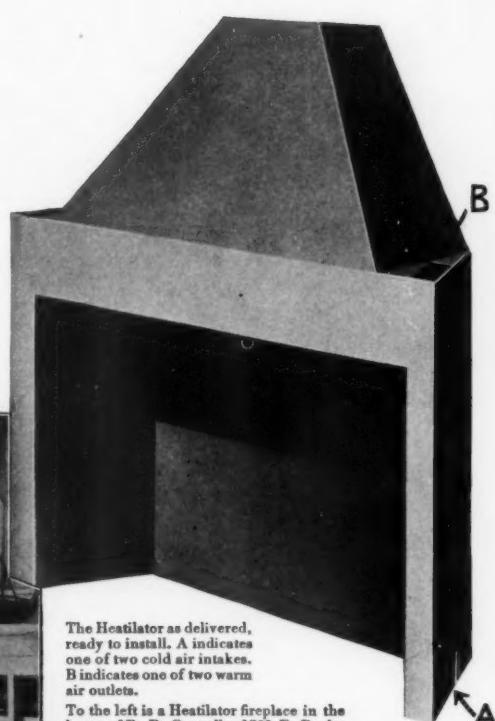
Of the other stock woodwork, one can say that stock windows and stock doors are generally used in moderate sized houses. The architect merely specifies the size and general character of the door or window and the contractor buys it from the factory. Stock materials are used in larger-sized houses, but not so regularly as in medium-priced ones. There are many other kinds of stock woodwork, corner cupboards, balustrades, and so forth. These may or may not fit the house you have in mind, but remember that the architect will doubtless specify stock woodwork throughout, and it behoves you, as the owner, to familiarize yourself with the offerings of the woodworkers.

FIREPLACE CHARM WITH FURNACE-LIKE HEAT

Triple Heat from same fuel!

IN early fall particularly, before you start your furnace—and in fact on any cold day—you will thoroughly enjoy the extra warmth that you can get from your fireplace if you build with a Heatilator.

Ordinary fireplace construction seldom results in enough heat to satisfy. But fireplaces built with Heatilators give three times the amount of heat that results from ordinary fireplaces of the same size. This is because the Heatilator's double-wall heating chamber, with grille intakes

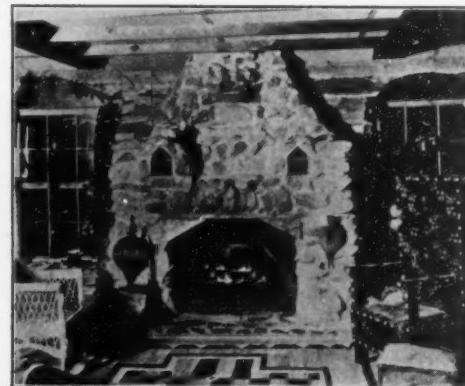


The Heatilator as delivered, ready to install. A indicates one of two cold air intakes. B indicates one of two warm air outlets.

To the left is a Heatilator fireplace in the home of R. P. Connelly, 1701 E. Boulevard, Charlotte, N. C., a simple but effective design of brick and wood with grilles located on the sides.



There are no limits to style and design in Heatilator fireplaces. Above is a charming conception in stone, installed in the beautiful home of V. R. Folabee, Johnstown, N.Y.



The Heatilator fireplace above provides warmth in rigorous Alaska. It was installed for Mrs. Luke Elwell, of Seward. Here the upper grilles are made a decorative effect by placing them in front. The lower grilles are placed on the sides out of view.

smokeless operation, besides the extra heat. And this without added cost! As the Heatilator is a complete unit up to the chimney flue, including fire box, damper and smoke chamber, it often pays for itself in material and labor alone, while fuel economy makes the Heatilator a definite saving.

Thousands of fireplaces have now been built the Heatilator way, without a single case of dissatisfaction. Architects, owners and builders specify it.

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If no dealer near you already has the Heatilator on display, we will gladly arrange to send one to any dealer you name, for you to examine without charge or obligation. If you have selected an architect and mason, send their names too, and we will mail you our new Book of Modern Fireplace Plans, free.

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Heatilator Fireplace Unit

Going to remodel? The Heatilator provides a practical way to rebuild a smoky or useless fireplace. Send us your architect's and mason's name and address, and we will make practical suggestions for remodeling your fireplace, without charge. Mail the coupon.

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- Please send your book of Plans for new Fireplaces, free.
- We intend to remodel our fireplaces and would like plans for using the Heatilator.

Architect..... Dealer..... Mason.....

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Devices for American Homes

Conducted By
Shirley Paine

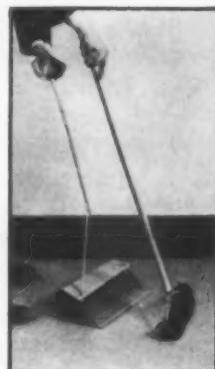
Readers are cordially invited to order any of these devices. Just send a check payable to Shirley Paine, 10 Double-day, Doran & Company, Inc., 244 Madison Avenue, New York, and they will be ordered from shop or manufacturer. No stock is carried here and, unless specified, transportation charges are collect.

WE ALSO welcome inquiries from retail shops, household supply stores, architects, and recognized decorators regarding wholesale sources for any of the things shown on this page or elsewhere in the magazine. Address all inquiries to Shirley Paine.



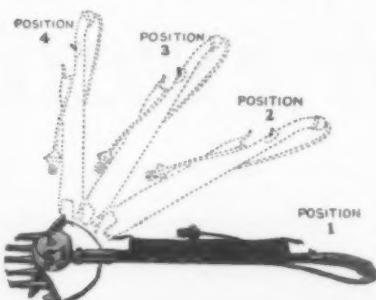
THE dream of a famous chef cleverly boxed for your kitchen. A cake decorating set puts on every conceivable icing pattern. Complete with directions, colors, pans, spatulas. \$6.50 del. 100 mi. N. Y.

A WELCOME guardian against lame backs. Self-closing hood on dustpan. Good quality brush. Attractive colors: red, Delft blue, jade, canary, satin black. Brush handle to match. Complete, \$1.25 p'paid east Rocky Mts.

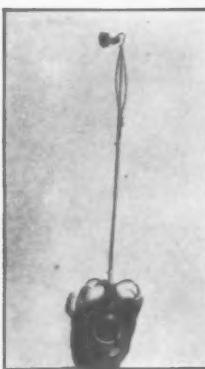


THIS final ounce of prevention is worth many pounds of cure for dust, dirt, germs, heat spoilage, and freezing; holds three bottles in the compartments of insulating fiber; keeps close to temperature when delivered from the dairy. Attaches to any building by two screws. Only takes a couple of minutes; lies flat no matter where fastened yet keeps bottles always upright. No longer need one rise at crack of dawn to salvage milk! \$4.00 prepaid U. S. A.

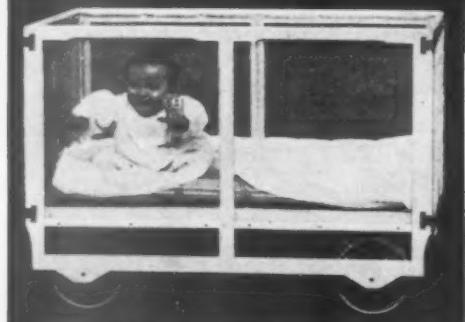
BELOW: This sturdy, efficient, high-speed rotary hedge trimmer keeps hedges, vines, and average shrubbery in shape at a small fraction of time and labor necessary with old-fashioned hand methods. The speed is limited only by the gait of operator; one man can do the work of 5 pairs of hand shears. Length 39", diam. blade housing, 9", wt. only 6 lbs. Please note diagram showing 4 cutting angles permitting operator to reach any corner. 100 ft. cord included; operates well with 1000 ft.; 32, 110 or 220 volt, AC or DC motor. \$45 express collect. Guaranteed. Lasts for years.



OCTOBER sees many plants moved indoors, so I've found a patent non-rust flower box strongly made of steel, lead coated. Water pours in either end, self irrigating; positive air circulation at roots where needed. Two year old fern (*above*) shows results on difficult plant. 6" wide x 7" deep; 20" long, \$1; 26", \$1.50; 32", \$2; 38", \$2.50; 44", \$3. Express collect. Chinese red, old ivory, or green.



WHISKETTE is a patented rust-proof wool product; fibers set on end and bound in cloth. Whisks away your polishing worries on any metal utensils in a jiffy. Box of 12 p'tpaid, \$1.20



THIS Cariole makes bassinette or crib unnecessary. Ample space to play, sleep, and grow in safety. Rustproof finely woven wire screens sides, special mosquito net for top. Mattress ht. adjustable to age of child; a real mattress, not a pad; big, soft, fluffy. Lifts out for sun-bath. Top view shows how outfit makes a handy mattress with everything packed for travel. 42" x 26" wide. Complete, \$18, express collect.

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Residence,
SCARSDALE, N. Y.

KARL W. BRADLEY,
Architect

COTSWOLD ~ A METAL CASEMENT OF MODERATE COST

Windows in the standard shapes and sizes usually found in small or medium sized houses may be equipped with Cotswold Casements at very moderate expense. These are made of the same steel sections found in our Custom-built casements, and are of

the highest quality of workmanship. Stock sizes, however, permit quantity production, and correspondingly favorable prices. When installed by International erectors, Cotswolds are guaranteed weatherproof.

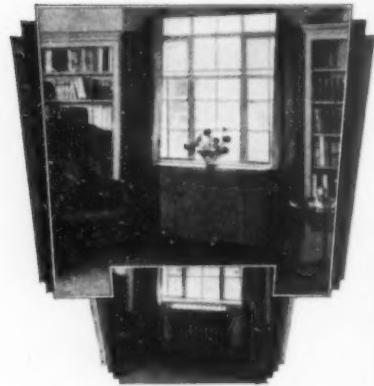
We shall be pleased to send you, upon receipt of ten cents, a copy of our illustrated Cotswold Catalogue.

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JAMESTOWN, NEW YORK

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**The Bare Radiator
Had To Go**



THE modern vogue that declared the uncovered radiator *out*, sponsored the creation of Tuttle & Bailey Radiator Cabinets—the most pleasing and practical solution of how to cover the radiator.

A wide array of models offers a varied selection. Designs are executed according to the latest dictates of modernism or in harmony with a Period design. Whatever the Period or style of room there is sure to be an appropriate T&B Cabinet available.

And the T&B solution is practical, too. Eighty-three years experience in heating and ventilating has made it so. A humidifying pan in each cabinet keeps the air moist. Their construction is such that heated air is directed *outward*, where it is *needed*, instead of *upward*, where it is wasted.

The coupon below will bring you an entertaining booklet "New Artistry in Radiator Concealment."



The Beaux Arts—the latest addition to the T & B Line of Furniture for Radiators

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Established 1846

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WALLPAPERS were never as smart, as lovely, as varied as they are today... But how can you be sure you're choosing the ones best suited to your house, your rooms, your furniture?

To help you, The Wallpaper Association is announcing another service—a Consulting Decorators' Bureau, established to bring expert advice to bear on your personal problems.

Two booklets have been prepared, "How to Modernize Your Home" is a thrilling affair, all about modernistic papers and their use—and with it go large-sized samples of actual wallpapers. "Which

Wallpaper and Why" considers the subject from the angle of those who have more conservative tastes. Both of these and 50 large-sized samples of actual wallpapers come to you for 50 cents.

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Remember, Tested papers with a two year guarantee against fading can be purchased at your dealer's.

THE WALLPAPER ASSOCIATION OF UNITED STATES
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Amazing!

**old shingles
like new
again**



Now you can give faded shingles new life... new color... new value! And the moderate cost will surprise you. Creo-Dipt Stains are quickly, easily applied. Cost but half as much as good paint... last 4 to 5 times longer.

They are made by the makers of Creo-Dipt Stained Shingles... in the same beautiful shades of gray, green, red, brown, blue and white. Mail the coupon for free color chart and full information.

CREO-DIPT BRUSHCOAT STAIN

SEND FOR COLOR CARD

Please send me your free chart illustrating beautiful Creo-Dipt Stain colors. Creo-Dipt Co., Inc., 1511 Oliver St., No. Tonawanda, N. Y. (In Canada: Creo-Dipt Co., Ltd., 1610 Royal Bank Bldg., Toronto.)

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~Use This Coupon, Save \$500 to \$2,000~

BEFORE YOU BUILD

LET US Explain Monthly Payments With 75% Loan, 15 Years to Pay, Quality Materials, With Prices and a Hundred Plans in This Book. SENDFOR IT.

FREE!



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SEARS, ROEBUCK AND CO.

CHICAGO or PHILADELPHIA
Please send your New Book of Homes described in "American Home," October, 1929.

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Here is a simple, inexpensive way to modernize your heating equipment

A THICK blanket of soft flexible Balsam-Wool in the walls and roof to save heat makes any heating equipment modern.

In houses built before the days of insulation, heating equipment can be modernized with a Balsam-Wool blanket in the attic.

Then the heating plant doesn't have to heat all outdoors. The woolly blanket of Balsam-Wool keeps the heat inside where it belongs and soon pays for itself in fuel saving. And in summer it keeps out the stifling heat, making upstairs rooms comfortable on hottest summer days and nights.

Balsam-Wool can be easily and quickly installed in any new house and in the attic of any house already built that has an opening to admit a workman. Balsam-Wool is flexible and tucks in as only a flexible material can. A full inch thickness tucked between rafters or attic floor joists—around windows and doors—really keeps the heat in and the cold out. It is true insulation. A necessary part of every efficient heating equipment.

Learn more about this heat saver. Use the coupon to send today for a free sample and booklet.

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Balsam-Wool can easily be carried through any opening that will admit the body of a workman. Strips of Balsam-Wool cut to proper length in the basement or garage can be carried to the attic by a single workman.



Balsam-Wool is a guaranteed Weyerhaeuser product—a blanket of fluffy wood fibre that looks and acts like sheep's wool. It is TRUE INSULATION—keeping the house warm in winter and cool in summer—because it is—

FLEXIBLE-THICK
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WINDPROOF
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Colorful Charm
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BIAS TRIMMINGS



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Page fabric available in Copperweld non-rusting wire—reduced upkeep—lifetime service.



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YOU can avoid damage to gardens and growing plants by building your fence this fall. Let a Page expert show you the advantages of Page Protection.

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Which will you have in your new home?

This foul smelling, germ breeding, inconvenient garbage can is a nuisance that has no place in the modern home. Contrast this to the wonderful convenience and sanitation of the Chimney-Fed Kernerator. Into the handy hopper door, shown above, is dropped not only garbage but papers, bottles, tin cans and trash of all kinds which fall to a brick combustion chamber in the basement where the daily waste accumulates for an occasional lighting. A match does it. No fuel required — the discarded combustible waste is the only fuel needed.

The Basement-Fed Kernerator for your home already built costs about the same as the portable gas fired incinerator of half the capacity. The saving in gas pays for it in a few years' time.

Send for booklet, "The Sanitary Elimination of Garbage and Household Waste."

KERNER INCINERATOR COMPANY
731 East Water St. Milwaukee, Wis.

KERNERATOR
INCINERATION
*Garbage and Waste Disposal
for New and Existing Buildings.*

**Hotter than Coal
and no dirt**

A NEW INVENTION Do away forever with the drudgery of wood or coal. The most simple and economical invention on the market is now giving perfect satisfaction to enthusiastic users everywhere.

BURNS 96% AIR—4% CHEAP OIL. The International Oil Burner is the first inexpensive oil burning device for homes with low operating cost. Made for every type of furnace and stove. Simply sets on the grate and can be installed in a few minutes by anyone. Automatically changes cheap oil into heat three times hotter than coal—and cheaper. No noisy motors or complicated parts.

COSTS ONLY A FEW DOLLARS Heats any stove or furnace just as well as a \$400 or \$500 oil burner without electricity or gas. Simply turn one valve and have all the heat you want. Cleaner and better for heating and cooking. International Model 5A approved by National Underwriters' Laboratories and heating engineers everywhere. Over 100,000 in use.

30 Days FREE Trial Offer

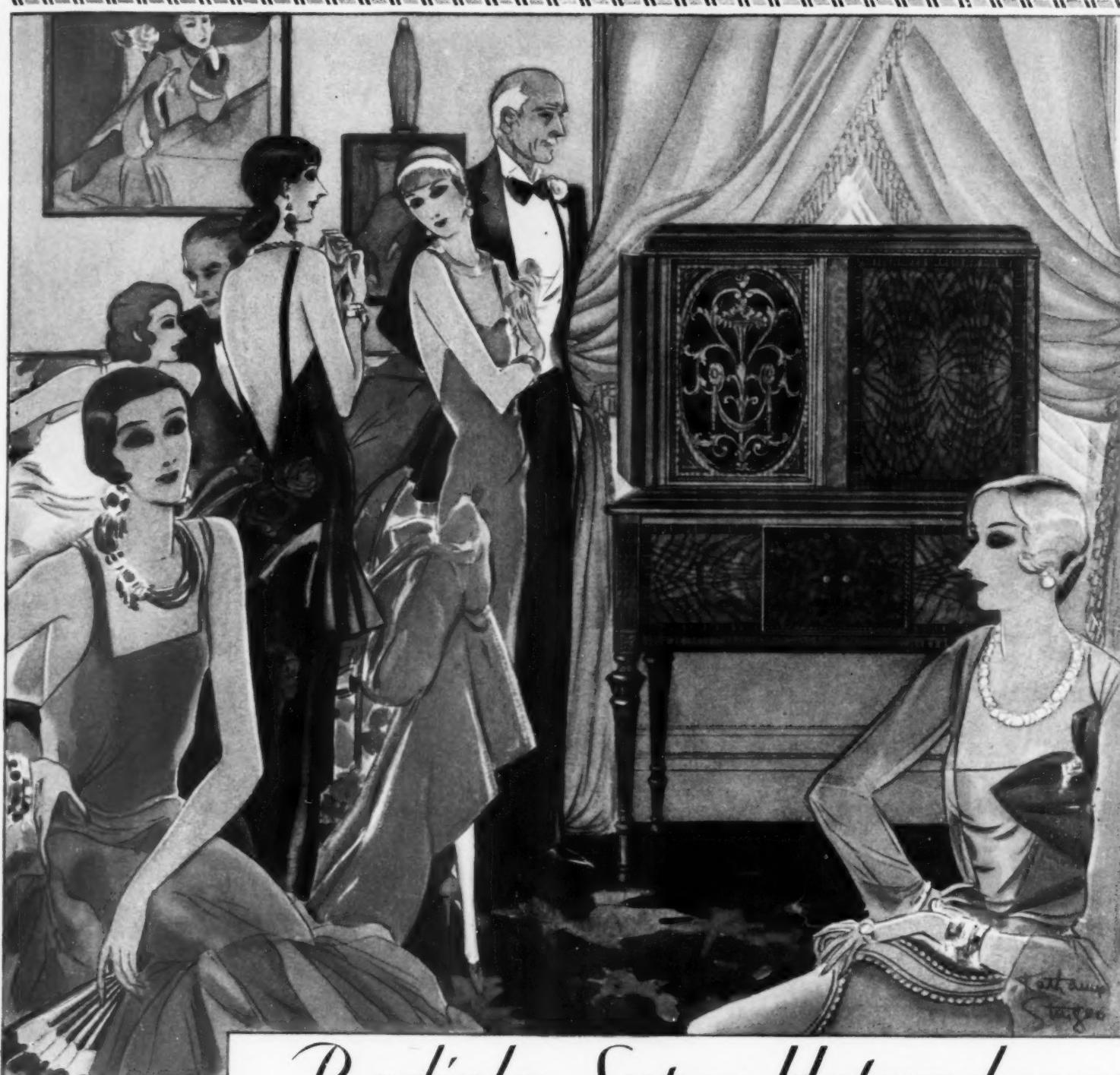
Try this wonderful International Oil Burner right in your own home at our risk. Act quickly and get our special low introductory price. Sold under absolute money-back guarantee. Write at once for our free booklet on home heating and free burner offer. Dealers wanted.

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Send your free booklet and free details on home heating for stove | | furnace | | Also free burner offer.

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Radiola Super-Heterodynes

THAT SUPERBLY REPRODUCE MUSIC FROM THE AIR OR RECORDS

RCA RADIOLA 67

The new Super-Heterodyne with Electro-Dynamic Speaker and Phonograph (shown in illustration above). *\$690

RCA RADIOLA 64. De luxe cabinet model Super-Heterodyne with improved Electro-Dynamic Speaker. *\$550

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With these two instruments in one cabinet, music from the air or records is superbly reproduced by the RCA Electro-Dynamic speaker —

the reproducer of amazing realism and beauty of tone. The incomparable Radiola Super-Heterodyne holds undisputed rank as the finest of all radio instruments. Its qualities of faithful reception and realistic reproduction are the acknowledged standard of radio design.

RADIOLA DIVISION

RADIO-VICTOR CORPORATION OF AMERICA

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MADE BY THE MAKERS OF THE RADIOTRON

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Before you decorate, see Sanitas, the cleanable wall covering

NO MATTER what color scheme you have in mind—what style of furniture you have—the color of drapes and rugs—you will find the correct style in Sanitas to harmonize with all.

Sanitas has more than charm to recommend it. Made on cloth, it has strength to resist the cracks caused by plaster shrinkage—cracks simply do not break through the surface of Sanitas. The colors are unfadable. Impervious to water and grease stains. Finger-marks and dust can be quickly wiped off with a damp cloth.

There are Sanitas styles for every room in the house, from laundry

to the most elaborate room in the house.

Any good decorator can show you the complete line of Sanitas styles—ask him to show you the Sanitas Sample Book. Your decorator can get for you quickly, the styles you select.

Sanitas is not an experiment—it celebrates its twenty-fifth anniversary this year, and thousands of homes give evidence of the beauty and utility of this delightful decorative fabric.

The Sanitas trademark appears on each roll of the genuine material—look for it, for your own protection.

Write us for samples and descriptive literature

THE STANDARD TEXTILE PRODUCTS CO.

320 Broadway

Dept. 30

New York

When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier





Outside Barreled Sunlight brings new beauty to the home of Mr. Arthur Hodges Merrill. Few pass this splendid house in Hartford without comment on its sparkling whiteness.

A DISTINCTIVE EXTERIOR PAINT

now brings greater beauty to America's fine homes



OUTSIDE Barreled Sunlight

Reg. U. S.

Pat. Off.

THERE IS, indeed, a new trend in the painting of fine homes . . . a trend now widely recognized. No longer are home-owners satisfied with ordinary results. They seek paint that actually adds beauty and distinction to their carefully designed homes.

Thus when Outside Barreled Sunlight was first offered two years ago, home-owners realized that here, at last, was an outside paint that besides providing maximum protection—added rich, rare splendor to any house.

Outside Barreled Sunlight is the result of 20 years' experience in the art of making white paint. It is a development of the unique Rice Process—the same method which produces the famous Interior Barreled Sunlight—the pore-free, self-protecting paint-enamel that can't hold dust or dirt embedded.

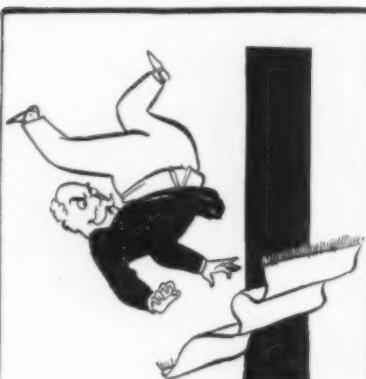
Now no longer need home-owners speculate with unknown exterior paints. No longer need they depend upon hearsay and doubtful recommendations. For everywhere fine homes painted with Outside Barreled Sunlight stand out as actual demonstrations of what this surprising paint achieves.

Painters give it unstinted praise. And naturally—for every Outside Barreled Sunlight job stimulates neighboring home-owners to duplicate such outstanding results. Though Outside Barreled Sunlight costs a few cents more per gallon, it is really economical. Its hiding power is so much greater that users often say,—“I get two coats in one.”

Any tint is easily obtained by using ordinary colors-in-oil. Quantities of 5 gallons or over are tinted to order at the factory without extra charge. Write to-day for our free booklet, “The Whitest White House in Town,” giving complete information about this unique outside paint. If in addition you care to give us the name of your painter, we will send you, through him, a free sample can of Outside Barreled Sunlight. Write to-day!

U. S. Gutta Percha Paint Co., 7E Dudley Street, Providence, R. I. Branches: New York—Chicago—San Francisco. Retail dealers everywhere.





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ANCHOR your scatter rugs with Duro Gloss—and avoid such dangerous accidents. (Some day you may be the victim!)

This marvelous material anchors your rugs to the floor—yet needs neither tacking or sewing. You simply slip it in under the rug. It cannot mar even the finest floor.



Your rugs will look better, wear better, feel better. For the crepe rubber surface acts as a cushion underfoot and holds the rugs smoothly in place.

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DURO GLOSS RUG ANCHOR FOR RUGS



A H 10-29

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Yes, send me a piece of Duro Gloss, size 18" x 27" to use under one of my small rugs. I enclose a dollar.

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Guest House
at old Shirley
on The James
has no windows in gables

This sketch
by Guptill,
gives you an
idea of Shirley
House itself

And now about OLD SHIRLEY and its guest house

YOU recall that Shirley, the famous old James River home, was built by Edward Hill. It was his daughter who married John Carter, who followed in its possession. Their daughter was the wife of Light Horse Harry Lee, General Lee's grandfather. All these years the property has remained in the family. One of the regrettably few such instances in all Old Virginia.

John Carter was much given to a most generous hospitality. The Big House was oft' so filled to overflowing, that 'tis said he built this brick house especially for his guests. Just such bricks used in its building, we are now again making down here in Old Virginny. Bricks that have a way of at once giving an age-old effect. The results accomplished are admitted to be quite remarkable, and entirely beyond adequate description here.

If, however, you will send for the circular called "True Old Mould-Made Virginians", reckon you will find out, just what you now so much want to know.

Old Virginia Brick Co.
Salem, Virginia

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Quality Bridge Sets
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Strong and light. Richly finished in Black, Red or Jade Green, shaded with Gold and Black. Chair seats upholstered in Pebble Grain Leatherette. Table legs turned and doubly braced; top of three-ply wood veneer. Price: Table \$3.50; Chairs each \$2.65. Shipped on approval. Money refunded if not satisfactory. Write for descriptive circular No. B-5.

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WATERLESS CLEANSER
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FOR a more comfortable, healthful home at a real saving in fuel cost, use Winter Windows. ¶ Because they keep the heat in and the cold out, Winter Windows cut fuel costs materially—enough, in fact, to pay for themselves very quickly. ¶ Winter Windows mean snug warmth and cozy comfort through the bitterest cold of winter—healthful, even temperatures through the elimination of chilling drafts—freedom from the annoyance of frosted windows and watersoiled drapes and window sills—and sleeping room ventilation of the



most satisfactory sort. Winter Windows are quickly and easily installed and can be painted to harmonize with the color scheme of the house with most pleasing results. ¶ Send coupon below for our new free booklet **SAVE FUEL WITH WINTER WINDOWS**. It is an interesting and helpful explanation of the many important advantages of Winter Windows for homes.

*The modern form of storm windows or storm sash.

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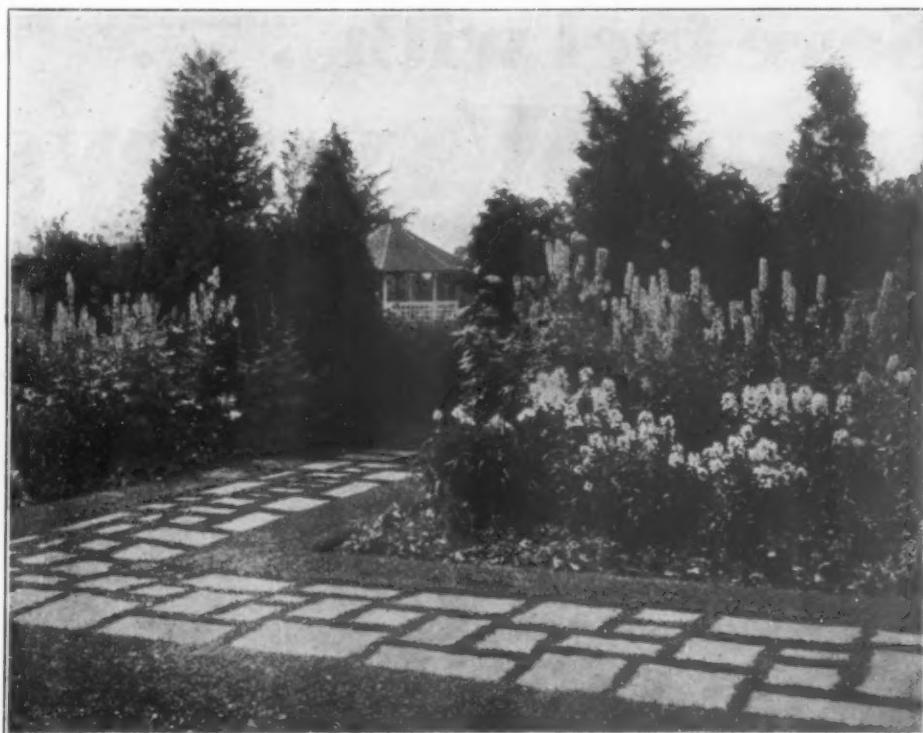
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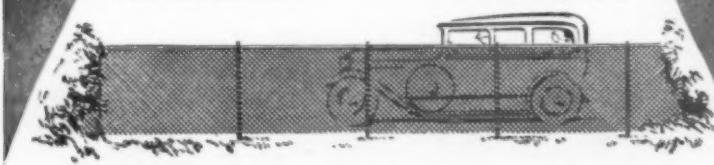
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as a polite but firm warning to "keep off." With rust-proof copper-alloy steel and hot-dip galvanizing to prolong their life, a Stewart Fence is truly a life-time investment.

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MAKES IT EASY TO BE A WONDERFUL COOK

The *Dormeyer* Electric is an all-purpose mixer handling perfectly all requirements from liquids to heavy cake batters or large batches of mashed potatoes—and making everything smoother, lighter, more appetizing, by its thoroughness. It stirs, whips, mixes, beats foods in 1/10 the time, without aching wrists and tired arms.

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The *Dormeyer* is built for a lifetime's service. Chromium plated. Guaranteed electrically and mechanically. If your electrical store can't supply, write us.

"MOST VALUED OF ALL ELECTRICAL APPLIANCES"

is what you'll say of your *Dormeyer* Mixer. You will use it in preparing almost every meal—yet its cost is only a fraction of other machines doing similar work and its price is but a half or a third that of vacuum cleaners used once and twice a week, or a sixth that of a standard washing machine.



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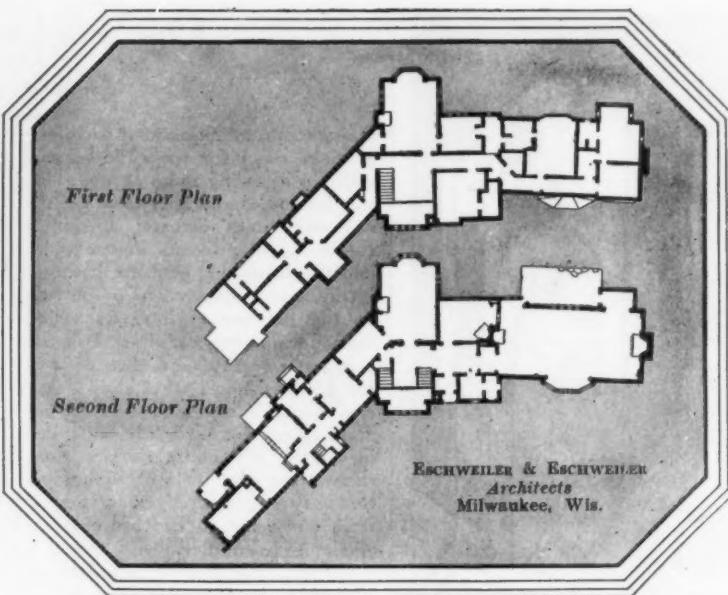
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The New Improved
Dormeyer
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*Sargent Hardware . . .
for enduring satisfaction and an added touch of beauty*

HARDWARE EQUIPMENT OF SOLID BRASS OR BRONZE WILL MANY TIMES
REPAY YOU FOR ITS SLIGHTLY GREATER COST

EVERY STEP in the planning of a home opens many new vistas of interest. Few efforts are more amply repaid than those spent in inspecting, comparing, studying and poring over plans and specifications. The sure reward is found in years of satisfaction, comfort and happiness.

Every detail of your new home's equipment must be considered carefully—and hardware is a very important item. A building functions on its hardware. In addition to maximum security and enduring beauty, Sargent Hardware provides smooth and precise operation of all moving parts for the entire life of the



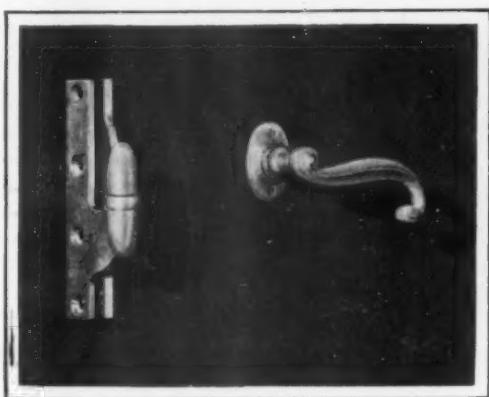
Door Handle No. 2861; Door Knocker No. 28

building. Inferior hardware soon necessitates replacement. Doors that will not latch, worn finishes, rust-streaked wood-work are constant and costly sources of annoyance. Hardware should be purchased but once.

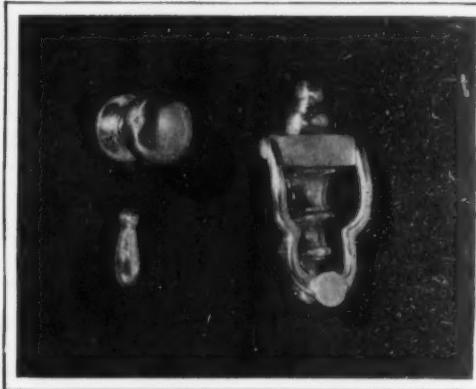
Sargent Hardware is an aid in decoration. A wide variety of designs is offered for your choice, authentic and

appropriate to your particular style of architecture. Sargent Hardware adds value and distinction to the English type residence shown above. Such excellent equipment of solid brass or bronze costs little more than hardware of less durable grades, and only about 2% of the total building cost. This cost varies slightly for different localities and according to the type of construction.

Send for our illustrated booklet, "Hardware for Utility and Ornamentation." It will help you to make your new home exactly as you want it. Sargent & Co., 48 Water St., New Haven, Conn.



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A finer mirrored cabinet for the home where the best in appointments is appreciated. The large mirror of bevelled plate glass, beautifully etched, conceals a cabinet of steel snow white enameled—a absolutely sanitary—easy to clean. There is a wide variety of styles in the Hess line. You will find just the cabinet you want for your bathroom. Mail the coupon below for copy of the Hess catalog.

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HESS MIRRORED CABINETS

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I am interested in Hess Mirrored Cabinets.
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Name.....

Address.....

One room for many uses

Continued from page 16

dining room, reception room to callers, a study room for the children and oftentimes a sewing room as well. Our smaller houses and apartments to-day sometimes demand a similar combining of interests in one room and the furnishing problem becomes intricate and involved in proportion to the number of interests which we hope to incorporate in it. It is the rare room to-day (and then only in the finer residences) that shows paneled walls into which bookshelves and cupboards are already built, but in almost any house simple bookshelves may be built of such style that they may be lifted out and moved from one room to another or from one house to another.

If building in shelves does not seem advisable, the carefully selected desk may introduce the library atmosphere. The table-desk with its businesslike air is particularly appreciated by students, the business man or woman, or any member of the family who must write, work on plans, or fuss with account books. The three or four drawer Winthrop desk and its many modifications with high cupboard tops are also favorites.

The use of the too-obvious dining room buffet should be avoided in the many-purpose room, and in place of this a compromise piece should be substituted. The small serving table is excellent in such a setting, for it may bear a tray and a pair of candlesticks or a tea service and feel perfectly at home in a living room. The more beautiful objects of porcelain or china, if they are to be displayed, may share shelf space with the books, and both books and china be the handsomer for the combination. Linens, silver, and other table accessories

may hide discreetly away in built-in cupboards or the drawers of the desk.

The dining table also must be a compromise piece; a table which is sufficiently large for dinner and yet is able to fold a leaf or two after dinner and act as a proper member of the living room. The drop-leaf Duncan Phyfe or Sheraton tables as well as many of the gate-legged family are especially recommended for this use. In the choice of chairs a very wide leeway is possible. Almost any "side" chair, if of good style and well made, will be equally useful as a dining room or living room chair. These are essential as well as one or more upholstered armchairs and perhaps an armchair to match the side chairs.

The popularity of the many varieties of Colonial chair in such rooms continues to grow; the rush seat ladder-backs and Windsors especially, as well as New England painted chairs, American Empires, and the Philadelphia Chippendale, Sheraton Queen Anne, and Heppelwhite models. These are made to-day in fine quality and such numbers that they are to be found everywhere in this country. Likewise the provincial French furniture, Spanish peasant, and many types of "cottage" chairs are eminently suited for living and dining room use.

The treatment of the floor may be what the householder and her taste demands. Beautiful linoleums and carpetings are designed for both living room and dining room, while on either of these may be laid any rug which the budget and the decorating scheme calls for, American made of Oriental pattern, fine Axminsters, copies of old hooked and rag rugs, and many others.

Home shrub-making made easy

Continued from page 55

be expected, although some kinds will root 100 per cent., and occasionally one is found to be quite recalcitrant. In two years time the plants grown from these cuttings will be big enough to use.

It is my personal experience that these same hardwood cuttings may also be taken in the spring and that of course saves the bother of carrying them over during winter. The most valid objection to this method is the fact that the shrub which we desire to propagate in this manner may winter-kill and we shall be without the supply, and then of course there are so many other things to be done in the spring! However, to try out the spring method of taking hardwood cuttings, a hotbed is necessary or greenhouse facilities. The cuttings may be made just as in the fall, but must be "taken" very early in spring—just about the time the sap begins to flow, late February or early March in most northern localities. Put them in sand or peat medium with "bottom heat", i.e., heat furnished under the cutting bed by fermenting manure or steam. A very large percentage will root, providing that the overhead temperature is low enough to prevent the bursting of

buds and development of top foliage.

Many kinds which fail to root from "hardwood" cuttings taken in the fall, or from "softwood" material in the summer reproduce readily by means of spring hardwood cuttings. Such difficult subjects as the Pear, the Apple, the Redbud and even the Hawthorn have been grown successfully by this means. A mixture of sphagnum, peat, and sand satisfies the requirements for a rooting soil better than sand alone.

If some plant is found extremely difficult to root, place bundles of spring hardwood cuttings in the sphagnum, peat, and sand medium in a horizontal position, not over one inch deep and give bottom heat of about 60 to 65 degrees.

Many of our choice evergreens will not "come true" to type from seed, so cuttings must be made. Arborvitae, Junipers, Yews, Spruces, and Retinisporas come under this head. Take the cuttings late in the fall or during the early part of winter, after the growth has ripened through the aid of a few frosts, but never handle when actually frozen. The best wood is from the vigorous side and top branches. The cuttings themselves may be made (continued on page 86)



The MODERN TOUCH OF CHARM

THOUGH they go back into history three hundred years and more—yet their frank simplicity and obvious sincerity are in the modern tempo of today. And whether used to accent the ultra spirit of a modernistic setting—or to harmonize with some mellowed re-creation of a time-toned Colonial room—Nichols & Stone Windsors bring charm, grace, comfort and utility far beyond the range of their modest cost.

NICHOLS & STONE CO.

THE HOME OF WINDSOR CHAIRS
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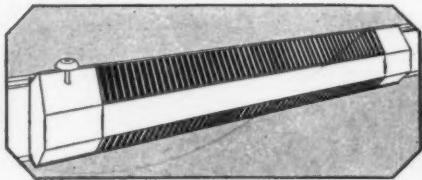
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NICHOLS & STONE CO.,
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Send free copy of "The Name.....
Charm of Wayside Inn" St. & No.
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"RICHMOND" FLOORLINE

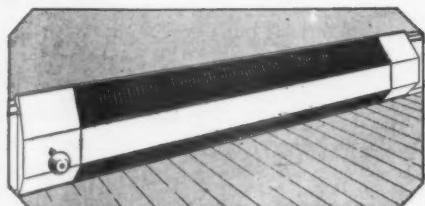


A new radiator. A modern radiator with many unusual features. For new homes and to replace radiators now in use.

RADIATOR

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EFFICIENT.....ADAPTABLE.....INEXPENSIVE



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TWO RADIATORS
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A RADIATOR patterned on both scientific and common sense principles. It is almost unnoticeable in any room and a far more practical and effective heating unit. Installed at the floor level—it is only eight inches high, and three and one-half inches wide. Projects warmth out into the room, in a manner that does away with cold floors and cold corners.

Three methods of installation to choose from: Attached to baseboard—partially recessed—entirely concealed between the inner and outer wall. No exposed piping. No shields. And yet there is no smudging of wall and draperies. No interference with the decorative scheme and the arrangement of furniture.

Truly, the Richmond Floorline Radiator is everything that has been wanted as an efficient, adaptable, and inexpensive radiator. Even the most moderately valued home may be at least partially equipped. The cost is considerably less than other types of compact and concealed radiation and often less than the installation of shields.

ATTACHED TO
BASE BOARD

Adapted for use on steam, hot water, vapor, and vacuum heating systems, in homes, hotels, apartments and office buildings.

Before you build or make any changes in your present equipment, learn more about the Richmond Floorline Radiator. Send the coupon or consult your architect, builder, or heating contractor.

More than 40 years experience in the manufacture of fine heating equipment is incorporated in the Floorline Radiator. Richmond Steam, Hot Water, and Gas Fired Boilers, Cast Iron Radiators, and Enamelled Ware are other products of the Richmond Radiator Company.

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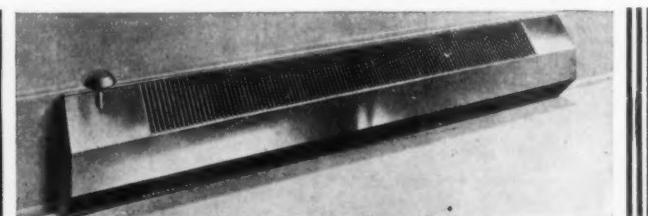
You may send me the illustrated descriptive booklet of the Richmond Floorline Radiator.

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In order that we may send the most helpful information, please check the space that identifies you:

Owner Architect Builder Heating Contractor



FOR COOL NIGHTS AND COZY FIRES!

Just a few of the many items at 'The House of fine Housewares' that add to the joy and comfort of living!



use. Size 28" x 43", in brown or gray. Each \$3.00

Dixie Fire Kindler

Takes the place of kindling wood for starting log fires. Sure, economical, safe. Package contains 12 kindlers. 1 doz. packages . \$3.75



Hearth Switch

This hearth brush or switch adds a quaint touch to the fireplace. The corn bristles are securely fastened at one end to form a comfortable handle, and gaily decorated. 24 inches long. Each \$2.00

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A non-explosive, smokeless, and odorless powder, which when sprinkled on the open fire produces wonderfully fascinating colors. \$0.75



Wood Binet

An ornamental steel wood-basket for the fire place. Dirt cannot sift through to floor. Size: 22" long, 12" wide, 10" deep. Finished in jade green, Dutch blue, burnt orange, oriental red, wood brown, or gun metal. Each \$4.75

Two items that provide a quick and pleasant way to prepare grapefruit.

GRAPEFRUIT CORER. It reaches down into the center of the fruit and removes the whole core with one motion. Eliminates waste and saves all the good part. Each \$2.00

GRAPEFRUIT DECORATOR cuts a fancy scalloped border on grapefruit, etc., in no time at all. Each . . . \$1.50

Corkscrew and Bottle Opener
Fastens to the wall or cupboard. Always ready for use. When not wanted, the corkscrew slips back out of the way and the opener will remove the cap from any size bottle. The little hook underneath is for towel or napkin. Non-tarnishable highly polished nickel finish. Each \$1.25

Send check, money order, C. O. D. instructions, or charge account references

Delivery prepaid within 100 miles
—to points beyond, charges collect

Hammacher Schlemmer & Co.

57th St. ~ 145-147 East
(Near Lexington Ave.)
New York, N. Y.



Send for our special folder featuring 'Smart Housewares'

Home shrub-making made easy

Continued from page 84

of the wood of the year previous, three to eight inches long.

Sometimes it is considered desirable to make cuttings with a *heel* which simply means, with a *small* portion of two-year old wood. Often this is modified and a *mallet* cutting is made, which includes a piece of the two-year old wood on either side of the one year old stem.

Put the cuttings in a sand or mixture of sand and peat medium (the mixture apparently promotes greater rooting) one and one half inches apart and inserted half way the length of the stem. The rooting medium should be settled firmly about the cuttings and well watered and shaded for a few days. Shade may be from a layer of newspaper laid over the tops. During the winter little shading will be necessary, except perhaps on extremely sunny days of early February. The temperature of the house in which these cuttings are kept should not exceed 55 degrees, and, if possible, it should be kept at 45. No bottom heat will be needed until early in the spring when dormancy is broken and rooting starts.

Quite a number of plants which are difficult to grow from stem cuttings

may be propagated by roots. The trees or shrubs to provide the roots for this method of propagation should be dug in the fall and stored in a cool moist cellar. During the winter, pieces of root, one quarter to one half inch in diameter are cut off two to three inches in length, tied in bundles and stored in a moist medium at a temperature of 40 to 45 degrees. If greenhouse facilities are available these root cuttings may be inserted in propagating benches with a temperature of about 50 degrees or slightly higher. In the spring, these may be set outdoors.

Shrubs and trees which may be propagated by hardwood stem cuttings are: Abelia, Aralia, Amorpha, Berberis, Buddleia, Callicarpa, Cephalanthus, Cydonia, Cornus, Deutzia, Elaeagnus, Euonymus, Forsythia, Hibiscus, Hydrangea, Kerria, Kolkwitzia, Privet, Honeysuckle, Mock-orange, Physocarpus, Rhamnus, Rhodotropus, Rhus, Currant, Rose, Elder, Spiraea, Staphylea, Stephanandra, Snowberry, Tamarix, Viburnum, Weigela. Those which come better from root cuttings are: Maple, Shad-bush, Calycanthus, Caragana, Ceanothus, Hippophae, Hypericum.



**You can
scarcely
hear it...
yet its cost is low**



Plant a walnut tree for shade

Continued from page 32

total of such rich land subject to overflow sufficient to make a state half the size of Illinois or Iowa, or two-thirds the size of Ohio.

In France, and elsewhere in Europe and Asia, the so-called English or Persian Walnut is not grown in groves, as we grow these nut trees in California, but is planted in waste places about the farms and along the highways, and the nuts are produced in sufficient quantity to compete seriously with our grove grown nuts.

So our native Walnuts need not be set out in groves, but may be grown on land subject to floods and on the mountains of North Carolina, Tennessee, Virginia, West Virginia, and Kentucky, etc. Odd corners can also be made to produce valuable crops of rich nuts and expensive timber at the same time. There are farms in Iowa and Illinois where there are no waste places, but the farm lines and both sides of the highways can be lined with Walnut trees, sixty feet apart. One such farm of 300 acres in Iowa could in this way be set to more than 700 Walnut trees using none of the farm land. At as low as only one dollar a tree each year for the nut crop, such income would more than pay the taxes on the farm.

The wild Walnuts sell at one dollar to two dollars a bushel of fifty pounds, so the trees do not have to bear heavy crops to average one dollar a year each.

For a number of years the cracking of walnuts by hand has been a home industry on bad winter days in the mountains of western North Carolina, eastern Tennessee, and parts of adjoining states. In this way probably 2,000,000 pounds of American walnut kernels are produced every

winter. The American Walnut is said to be the only nut that can be cooked or baked without changing its flavor.

The use of nut kernels is very rapidly increasing, but we import on an average about \$1,000,000 a week of food nuts from foreign countries.

There are a number of varieties of American Walnuts just as there are varieties of Apples.

The Thomas is rapid-growing in the nursery, like a Ben Davis Apple, but some claim that the Stabler produces better nuts. Seedling trees are bound to vary more or less. Some Citrus trees reproduce true from seeds, but other trees, such as Apples, vary a great deal. It will also take years for such seedling trees to bear, while the grafted or budded trees will produce crops in a short time.

Propagated—that is, grafted or budded—American Walnut trees will bear usually as soon as Apple trees and like Apple trees, different varieties of Walnuts will differ as to how soon they will bear. The more precocious varieties often bear the second year from the grafting. I once had two trees of one new variety that bore two nuts each the same year grafted. No tree of any kind could do much better than that.

Some of the named varieties of native Walnuts are: Thomas, Stabler, Kinder, Wasson, Ohio, Royal, McCoy, Miller, Ten Eyck, Adams, Alley, Cording, Hines, Schwartz, Oberman, Junbo, Pearl, Lewis, and Morris, for nuts; and O'Connor, Harrison, and Glory Figured for timber.

Wild Walnuts will crack perhaps ten to fifteen per cent. kernels of the total weight before shelling, but these named Walnuts will run twenty, twenty-five, and even more than thirty per cent. kernels.

BUILDING a new home? Replacing that old toilet fixture? Building in extra bathroom or lavatory? Then see your plumber about the T/N. It has everything you want . . . extremely quiet yet powerful flushing action . . . special non-overflowing feature . . . new, distinctive beauty . . . at a cost much less than other quiet toilets. Has no wall-tank . . . can be installed in a corner or under a window. Mail the coupon now.



Patented, Pat. Pend.



ONE PIECE WATER CLOSET



W. A. CASE AND SON MFG. COMPANY,
Dept. 1310, 220 Delaware Ave., Buffalo, N. Y.
Founded 1853

Please send me free descriptive literature
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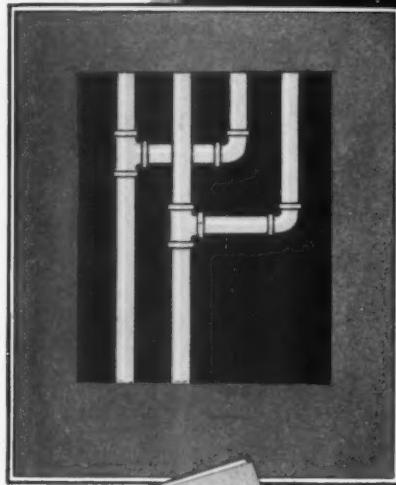
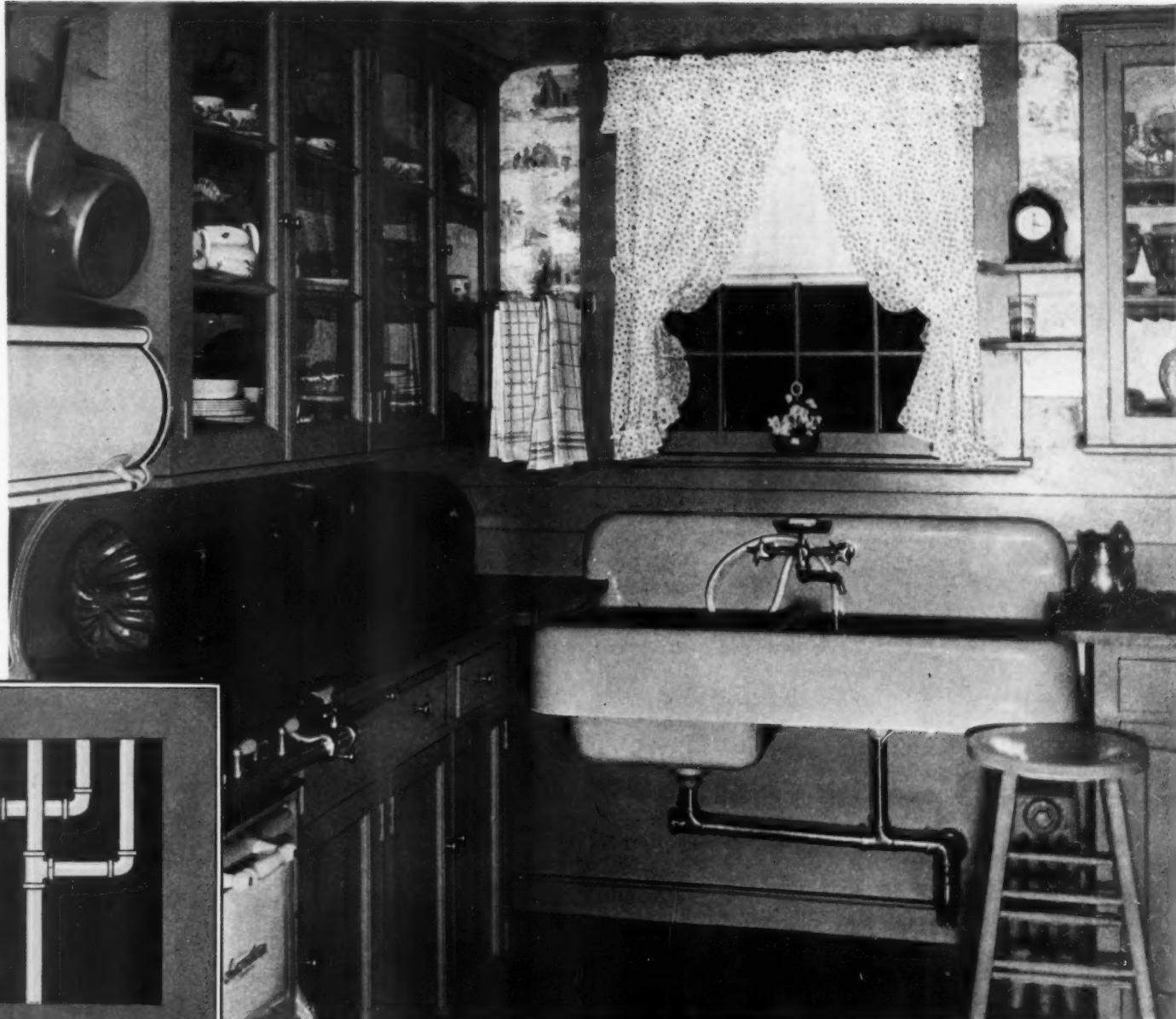
I am interested in REMODELING NEW HOME

Name

Address

Name of Plumber

Autochrome photograph. Residence of Mr. George R. Thompson, Hempstead, L. I. Godwin, Thompson & Patterson, Architects. Anaconda Brass Pipe for hot and cold water lines.



How much should I spend for my house? . . . What must I think of in selecting the location? . . . Is there any relation between the value of the lot and the house that is built on it? . . . How can I finance my home? . . . Does the construction of a house make any difference in the cost of living in it? . . .

These and many other important questions are answered by Roger B. Whitman, well-known building economist, in *The Home Owner's Fact Book* which will be sent on receipt of 25 cents. Address The American Brass Company, General Offices, Waterbury, Connecticut.

More than beauty...

Dependable water pipe within the walls

THIS kitchen was designed by an architect for his own home. In planning his house in conformity with the modern trend of beautifying with color, he has permanently safeguarded the beauty he created, by specifying *rustless* Anaconda Brass Pipe for hot and cold water lines.

The walls and ceilings of this house will never be marred by leaks from rust-weakened water pipe . . . plaster and

tile will never have to be ripped out to get at rust-clogged plumbing lines. Pipe failures due to rust are impossible with Anaconda Brass Pipe which cannot rust nor clog with rust deposits, but will deliver a full flow of water, as pure and clear as it enters the pipe.

Leading plumbing contractors recommend and install Anaconda Brass Pipe. You can identify this time-tested product by the name "ANACONDA" stamped in the pipe every foot. In the average size house Anaconda Brass Pipe saves \$31 annually in upkeep expense.



ANACONDA BRASS PIPE



Will your roof burn —or will it not?

There is no safe middle ground

DURING the past year approximately 23 per cent of all residential fires in the United States started on roofs! And only one thing will keep your home safe from roof-communicated fires, from the hazard of flying firebrands—a fireproof roof.

Johns-Manville Rigid Asbestos Shingles cannot burn. They are made of asbestos and cement, perfectly blended, under tremendous pressure. With these shingles on your home—the fire hazard is ended forever. A J-M Roof cannot burn.

J-M Asbestos Shingles can be heated white-hot without injury—a test which would destroy other roofings. This reserve of strength, this marvelous independence of fire means everlasting protection for the home roofed with J-M Shingles. Unharmed by extremes of heat or cold, by rain, sleet or snow, you are guarded by a roof which will outlast your house itself. Recent scientific tests prove that weather actually makes J-M Asbestos Shingles tougher and stronger!

Protection—plus Colorful Beauty

This is the age of color—and the wide range of colors and color combinations available in Johns-Manville Asbestos Shingles make possible any effect you may desire. Whatever the type of house, there is a J-M Roof to complete its beauty. And best of all—this permanent protection and colorful beauty is not accompanied by high price. For example, a roof of J-M No. 70 Mottled

Gray Asbestos Shingles costs approximately only 12% more than a roof of 18-inch Stained Cedar Shingles. In the long run, a J-M Asbestos Shingle Roof is the least expensive of all roofs. The first cost is the last cost. No maintenance or repair bills. You roof or re-roof for the last time.

Every J-M Asbestos Shingle Roof is accompanied by a "certificate of registration." It will assure you that your roof is of Johns-Manville manufacture—everlastingly beautiful—eternally fireproof.

The Master Product of a Famous Manufacturer

J-M Asbestos Shingles are a master product of Johns-Manville—the world's leading manufacturer of fireproof, permanent roofing and building materials.

J-M Asphalt Shingles are the leaders in the field of colorful high-grade utility roofing at low cost. J-M Bonded Asbestos Built-up Roofs protect thousands of famous industrial and public buildings from coast to coast. J-M Transite, the Asbestos lumber, is unsurpassed for industrial roofing and siding.

J-M Brake Lining has meant maximum motoring safety and control for many years. Ask your brake service station about the new molded J-M lining. J-M Insulations serve every condition from 2400° above zero to 400° below.

How perfectly this attractive roof of J-M Mottled Gray Hexagonal Asbestos Shingles blends with the architecture of this Toledo, Ohio, Church. Schools, institutions, churches—as well as residences find permanent roofing beauty and protection in J-M Shingles.



The age of color in roofs! And you will find in the J-M line a type of color combination to suit every decorative need. Above is an interesting roof of J-M Colorblende type.



Cool greens—warm reds—weathered grays—a complete range of roofing colors! And J-M offers with this beauty—fireproofness, permanence, and economy. Give a thought to your roof today!

FILL out the coupon today, and let us arrange for a free inspection of your roof—and an estimate (without obligation) for re-roofing with J-M Shingles.



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 Please send free copy of "The New Book of Roofs."

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RIGID ASBESTOS SHINGLES

WHEN SUNLIGHT FALLS on a Weller jar, it may look centuries old, or it may look as bright and fresh as the chrysanthemums put into it * It may be a mysterious old Spanish piece, or a pale shining gray-green urn, as silvery cool as pussy-willows * For Weller Pottery is every type. Its colors are all the tints of fire, and when they have a luster, they flash like ice * Vases, fruit bowls, monastery candlesticks, plates and cups of cherries on a cream background—these, and beautiful hand-made faience tiles for bathrooms and sun porches, are all identified by the Weller trade-mark * See if shops near you have Weller Pottery. Select for home or gifts. Write us for little folders of helpful pictures. The Department of Decorative Arts, The Weller Potteries, Zanesville, Ohio.—POTTERS SINCE 1872.



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press the button
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Just imagine! Privacy at the press of a button. No keys. A mere glance at the button . . . across the room . . . shows if the door's locked.

And the knobs don't get loose and wobble. Schlage Locks are made on a new principle. Only a few parts, . . . all held together permanently. They stay put!

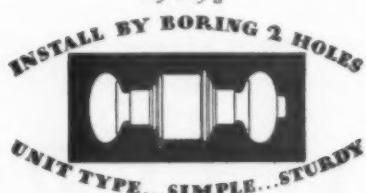
Of course you want striking designs and finishes! Schlage Locks are stunning, . . . in hand-hammered, antique bronze, colored, etc. Special finishes, and colored tiles, can be matched, too.

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SCHLAGE

THE NEW PRINCIPLE IN LOCKS

Say Slay-g.



SCHLAGE LOCK COMPANY, DEPT. II, SAN FRANCISCO, CALIFORNIA
PLEASE MAIL BOOKLET ON SCHLAGE LOCKS—

Name _____ Address _____

Shrubs that flower in mid-winter

Continued from page 29

To pursue the former method one should understand two features of the Witch-hazel. First, the seeds do not ripen until a year after the flowers are borne. In common wild species, for instance, the flowers occur around September, October, and November and the seed pods are formed at that time. They do not ripen, however, until the following August or September, when the pods should be gathered.

When the pods ripen they burst open and expel their seeds sometimes for a considerable distance, ten or fifteen feet, and frequently as a miniature fusillade. Consequently they must be gathered before the seeds have been dispersed. The time is indicated by the bursting of the first one or two on the shrubs. So, when the capsules are placed in the sun to open it is necessary to cover them with a sieve lest the seeds be further lost. The seeds may be sown in

spring and covered lightly, and they should grow well.

The Ozark Witch-hazel has a habit of spreading by stolens and forming thickets.

The average individual who may desire some of these splendid shrubs that should be in every garden can get three of the four species from nurseries. This is the best way, after all.

When planting these Witch-hazels remember that they are generally rather broad spreading plants and consequently should be given room. They may achieve a breadth of six to eight feet with wide spreading branches.

During the summer two conditions sometimes seen on the Witch-hazel are caused by insects. One is evidenced by an abundance of conical growths half an inch high on the upper surfaces of the leaves, and the other consists of spiny galls, really bud deformations.

Try sowing Sweet-peas in the fall

Continued from page 51

four inches deep, and sand to a depth of two to three inches placed in it. A new furrow is made in the sand at such a depth that the seed when covered will be at least three inches under the surface encased in sand.

As soon as frost leaves the ground in spring the mulch must be removed. Any light frosts following will not harm the seedlings, even though they are showing above ground.

Our Southern friends, and, in fact, all gardeners located where severe frosts are the exception, should lose no time now in sowing. Although for a time, top growth may be slow the roots will be working overtime to become deeply and strongly established and better able to withstand the warm weather that comes later.

Use both types of Sweet-peas, the Early or Winter-flowering and the Summer-flowering varieties. The former will give you flowers two to three weeks ahead of the Summer-flowering type, and continue to bloom over almost as long a period.

We cannot over emphasize the benefit following thorough and deep cultivation of the soil. Perfect flowers, four on a stem, rich and true to color and borne on long stems, cannot be produced from plants grown on thin, shallow soil, or from plants which have not made deep and strong root growth previous to the flowering season. We therefore spade the site for our Sweet-peas eighteen to twenty-four inches deep, and work into the trench as much old manure as can be spared from other crops. If manure is lacking a good substitute is found in rotted leaves and decayed vegetable matter from the compost heap. Bone meal is sprinkled over and mixed with the soil as the work proceeds, and the trench is finished off with a dressing of hydrated lime worked into the surface with the rake a few days previous to sowing.

There is still a better method of fall sowing than the foregoing but it entails more work and the expense

of boards and glass. Seed is sown in the manner already described but four to five weeks earlier.

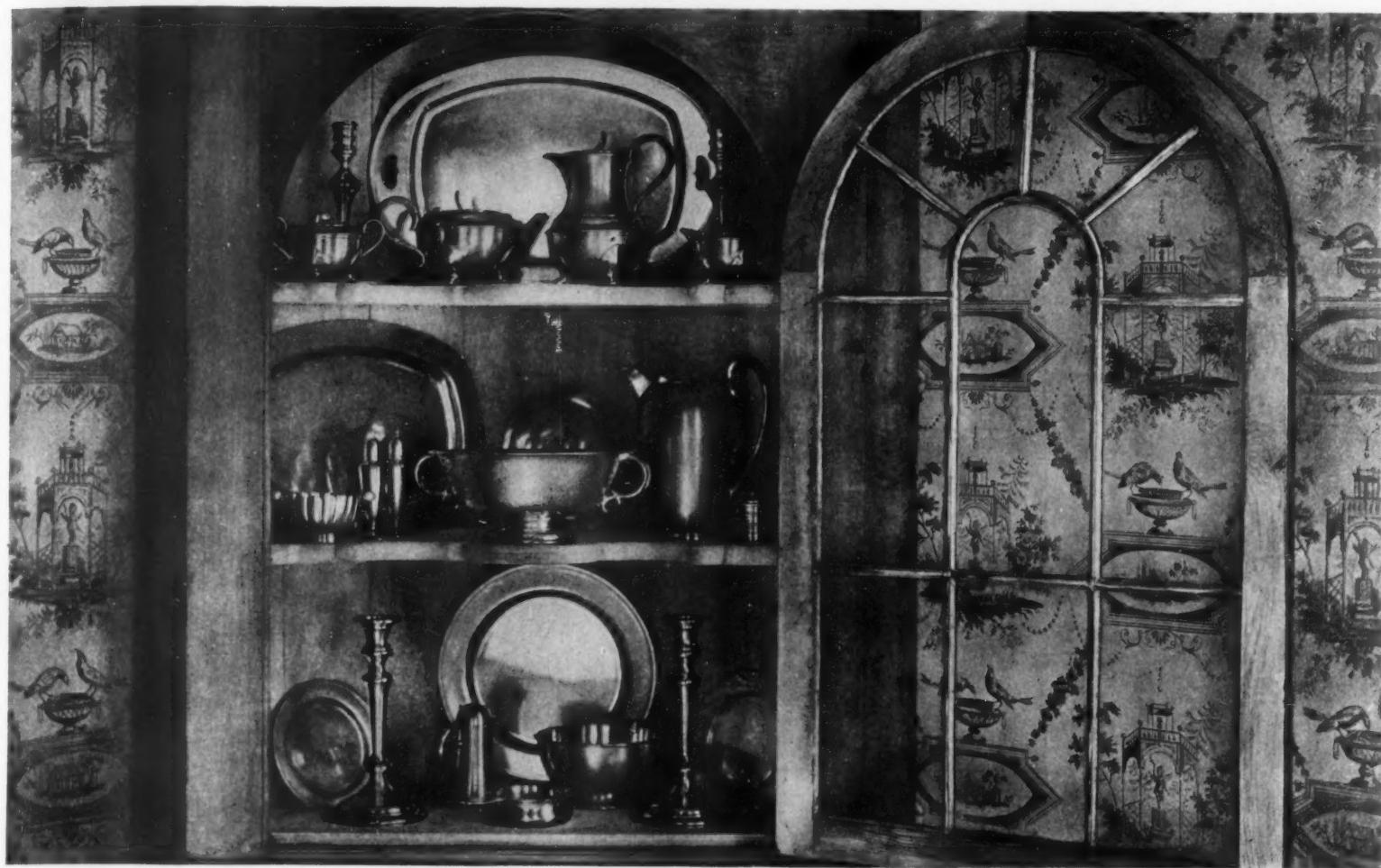
Boards, six to nine inches wide, are placed on edge along each side of the seed row, forming a long cold-frame nine inches wide. On the approach of freezing weather panes of glass are laid along the frame, kept in place by the aid of broad-headed tacks or nails. The boards are easily held in place by the aid of a few stakes and of course both ends of the frame must be closed and made tight. Sown in October the seeds quickly germinate, as the soil is still warm. Beware of covering the plants too soon, the aim being to keep them as sturdy as possible, never forgetting that we are cultivating a comparatively hardy plant. Therefore, during all periods of mild open weather a little air should be admitted to the frame, but protect from heavy rain storms. When winter comes in earnest, the thermometer tumbling zero-wards, it is advisable to bank up the frame with soil or ashes, and cover the glass with old sacks, leaves, or straw. With a change to milder weather the covering must be removed but kept in readiness against the reappearance of low temperatures.

The varieties of Sweet-peas offered by our seedsmen are legion, but if we were limited to a few sorts only, they would be chosen from the following:

Early varieties: Snowstorm or White Harmony, white; Pink Profusion or Giant Rose, pink; Mrs. Calvin Coolidge or Flamingo, orange-pink; Chevalier, rose; Glitters or Vulcan, scarlet; Princess, lavender; and Blue Bird.

Summer-flowering varieties: Giant White; Magnet, Miss California, Fluffy Ruffles, and Pinkie, pink; Brilliant Rose; Gold Crest; salmon-orange; Crusader, orange-pink; Grenadier, scarlet-cerise; Glory and Charming, soft cerise; Powerscourt, lavender; and Sapphire, blue.

PEWTER INSPIRED by Colonial work or pewter frankly modern—you will find a wide variety in the better stores today



Pewter

To Modern Homes, an Ancient Art Brings Rich and Mellow Beauty

OUT OF A COLORFUL, romantic past, modern pewter pieces bring their cool, low lustre and simple, graceful shapes. . . . Pitcher that dripped beside some early farmhouse well . . . candlesticks that ranged along a paneled mantel . . . tea service presided over by an elegant Colonial dame. Today you can find pieces like these in better stores everywhere.

Many of them are direct reproductions of pewter treasured in museums or private collections. Some were inspired by Danish or English or Flemish work. Some are startlingly, frankly modern —yet in agreement with this ductile, shimmering material. You will find bowls and ladles, porringer, peppers and salts, chop

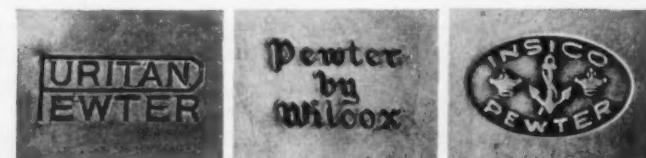
dishes, platters and gravy boats, drinking cups and tobacco jars, candelabra and vases and even lamps on display. Here are many new objects of interest for your dining-room or living-room.

Certain modern pewterers are faithful to the tradition of their craft in method as well as material. Their designs are authentic and their use of material generous, so that their product has the heft and feel, as well as the appearance, of the better Colonial pieces. Out of the abundance of pewter upon the modern market, it is well to be guided in your purchases by the three "touch marks" which they apply to their creations. These marks stand for the best in design and material and finish. They assure pewter that will delight you more the longer you live with it. And they assure, as well, very reasonable prices.

If you'd like to know more about pewter, we'll send you an interesting booklet, "Pewter Through the Centuries." It describes the origin of today's styles. Ask for booklet P-55. PEWTER DEPT. E, International Silver Co., Meriden, Conn.



PEWTERERS' "TOUCH MARKS" TO GUIDE YOU IN YOUR PURCHASES



THE CHARMING modern breakfast set at the left has unadorned surfaces and simple design. The group at the right shows Colonial precedent. It is rugged, sincere and graceful.



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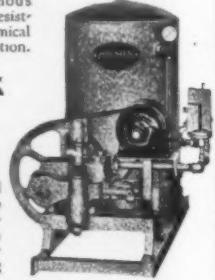


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that in every issue of The American Home is an easy interior decoration lesson by a famous interior decorator? 12 issues for \$1! Address, Garden City, N. Y.

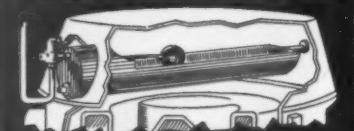
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25 charming Christmas cards \$1.00
with envelopes to \$1.55 with envelopes 32¢
each. All different. Send for catalog.
Such cards should sell for 10 cents each and up when colored. Many are earning extra Christmas money doing it.
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Top measures
12 x 15 1/2"
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This strongly braced combination stool and ladder is an excellent time and energy saver. It has 3 wide steps, rubber treaded, a handle for your support while on steps, and rubber covered feet to prevent slipping. The top closes down to form a handy stool or low table, and when closed the bottom step acts as a footrest. Finished in white enamel, green, yellow, blue or ivory.

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Appropriately good floors are occasionally necessary. Then use a weak tea for a few minutes and get a floor with POLLYSURE, or variable-weighted wax-polisher. Result—a beautiful finish on a hard mar-press surface. POLLYSURE IS HOLLOW. Weighs 11 pounds when filled with water, 18 pounds when sand filled. BUT—when you realize its weight by how MUCH or how LITTLE you put in it. Bright Blue finish: attractive, durable, very easy to operate, and Look at the Price!

Complete with washable polish pad and 48-inch smooth hard wood handle. Housewives everywhere say "H.A." Order POLLYSURE direct from the makers or from local hardware or department stores.



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Cold Kenwood Two-Toned
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CULTURE and hominess, charm and comfort, beauty and serviceability—all these are found in a fuller measure in Kenwood Blankets. Their colors, correct in any setting, are as enduring as they are lovely, for only the most permanent dyes obtainable are used.

Kenwoods are softer, lighter and warmer. Their bulk, that billows over one in warmth-giving protection, produces a degree of comfort and refreshing rest unknown to those who have depended upon burdensome weight for warmth. The lightness and warmth of Kenwoods are found in the long,

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The supreme quality found in Kenwood Blankets is also the inherent characteristic of all Kenwood Pure Wool Products—Baby Blankets, Afghans, Slumber Throws, Bath Robes, etc. See Kenwood Products at leading Department Stores, or send the convenient coupon for the illustrated Kenwood booklet—"Colorful Comfort"

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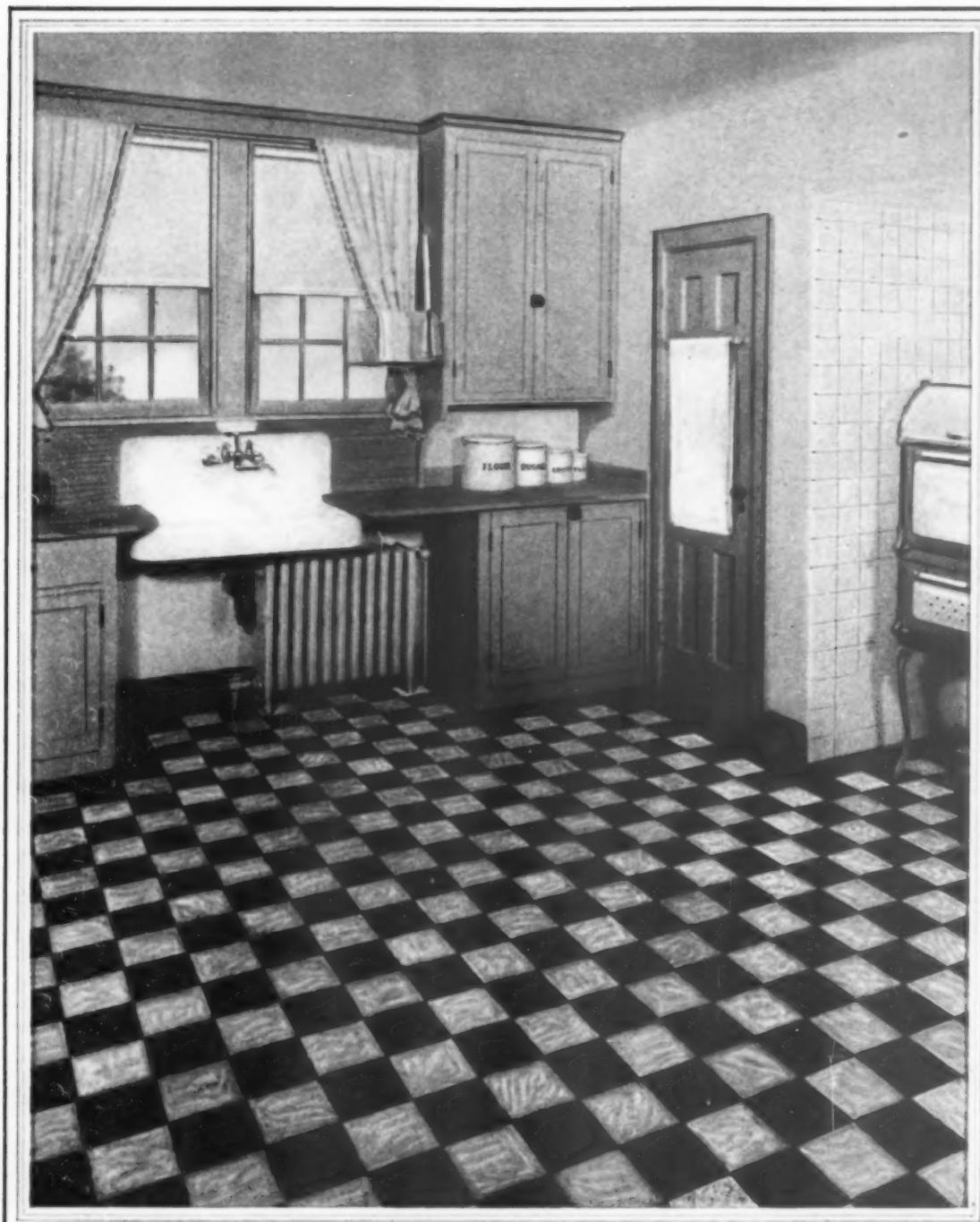
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THE grace of modern woman pervades her home—her drawing room mirrors her social appreciations and her taste—her kitchen reflects her capabilities and her taste. Cool, quiet, easy to keep spotless—these present day kitchens are monuments to the woman of the newer freedom and the greater achievement. Tile, porcelain, gas, linoleum and the greatest of these—for colorful beauty—is linoleum. W. & J. Sloane Linoleum is smartly patterned. It is moderately priced. It is surprisingly durable. It is sold by leading retailers everywhere. W. & J. Sloane Mfg. Co., Trenton, N. J.

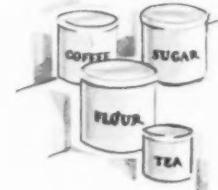
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THE WHIRLDY CORPORATION
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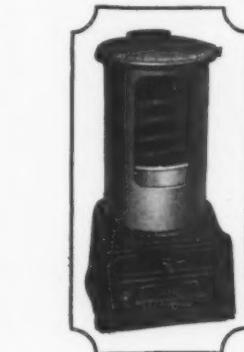
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A National Multi-Flow Tank Heater will give it to you any minute of the night or day.

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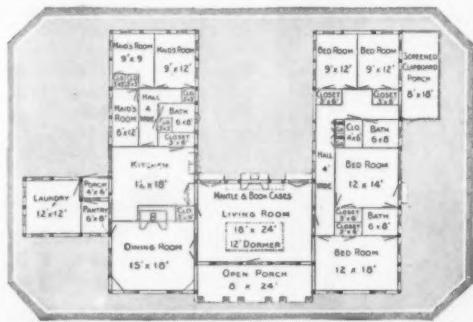
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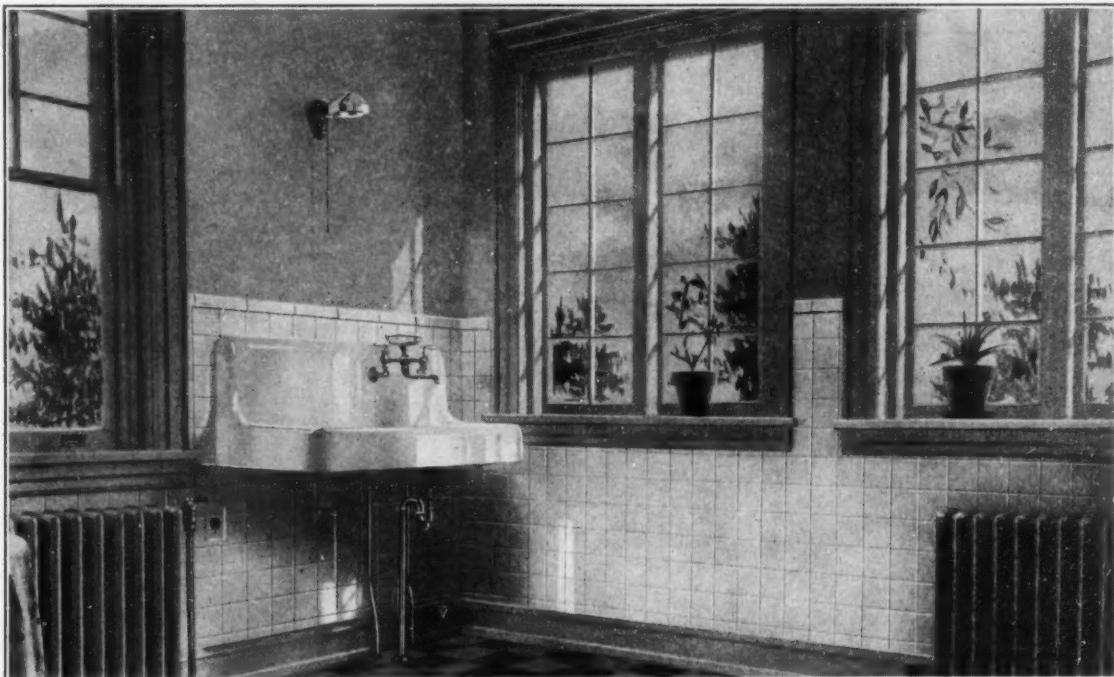
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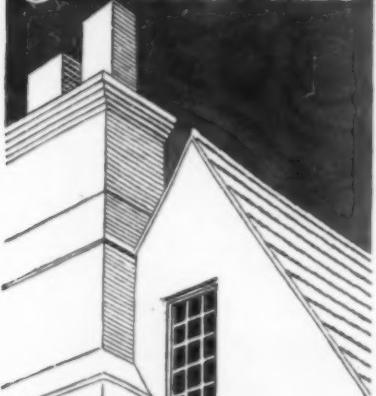
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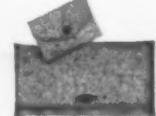
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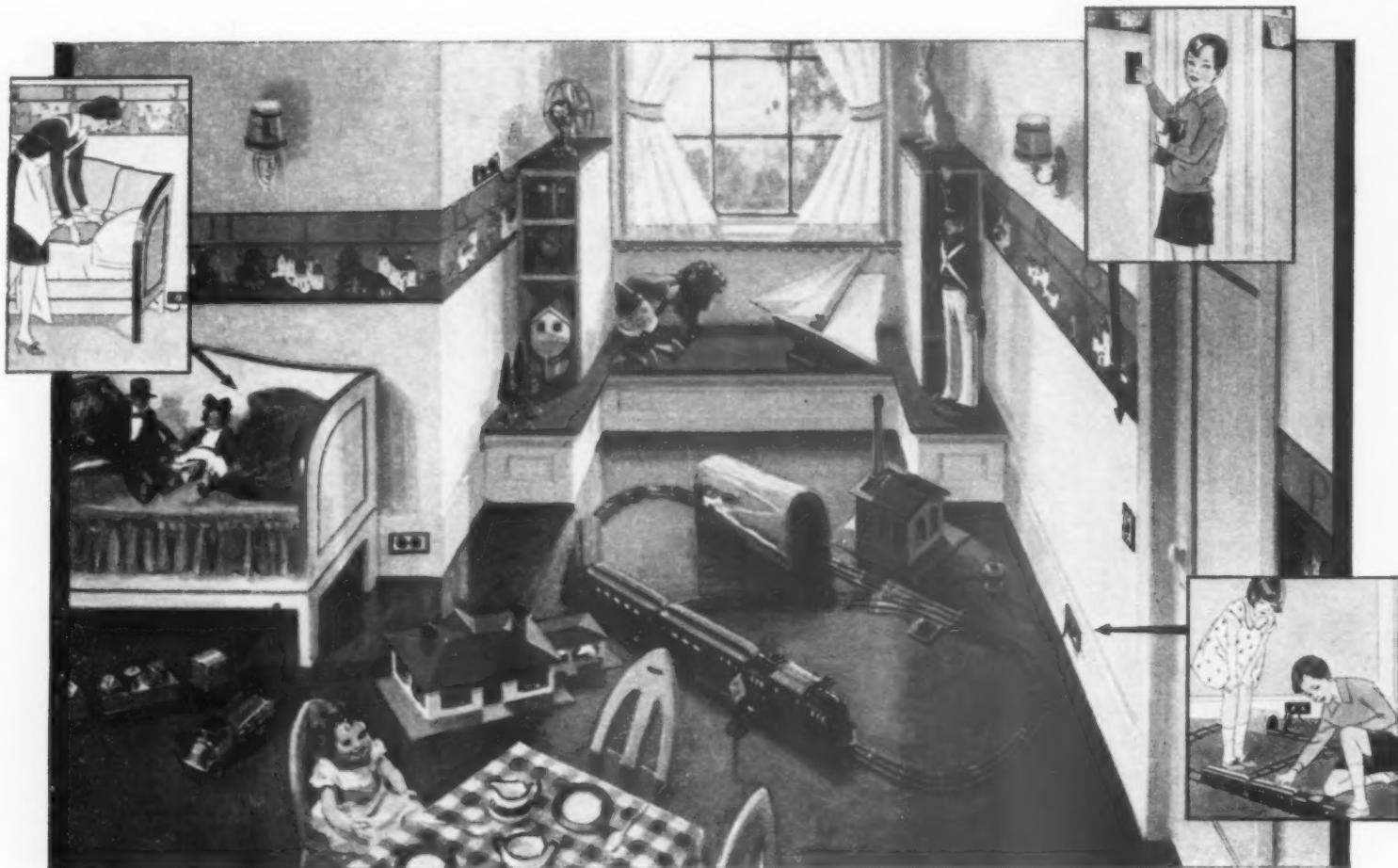
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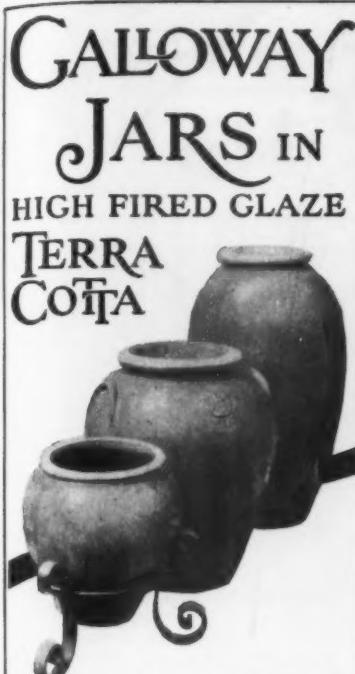
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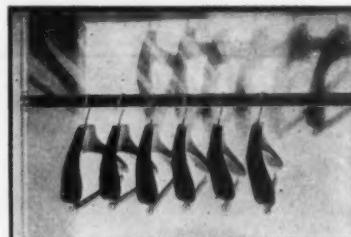
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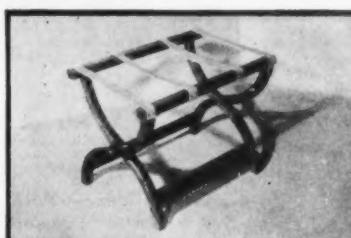
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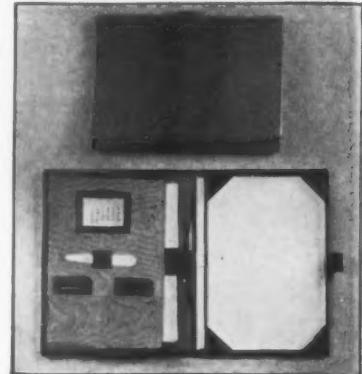
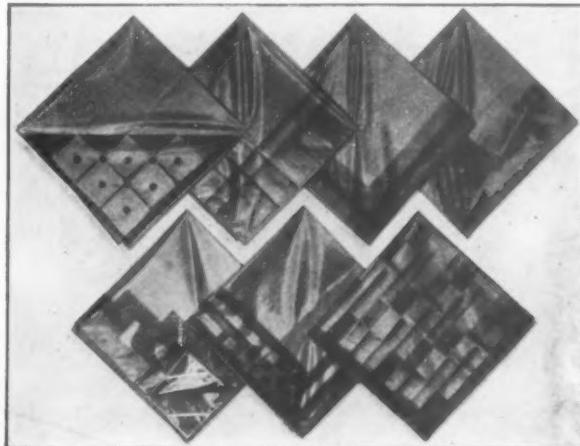
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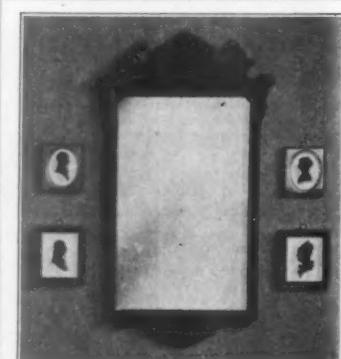


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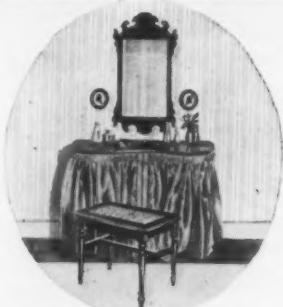
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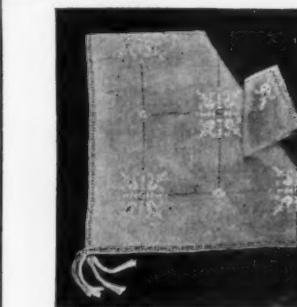
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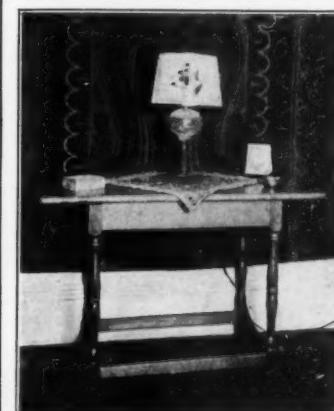
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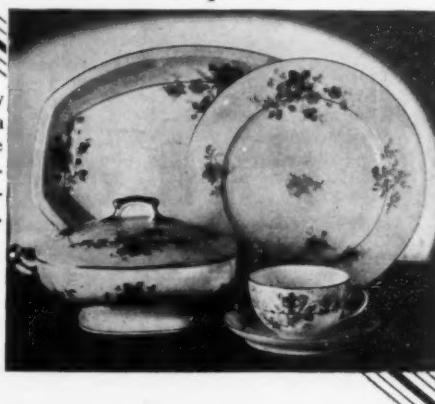
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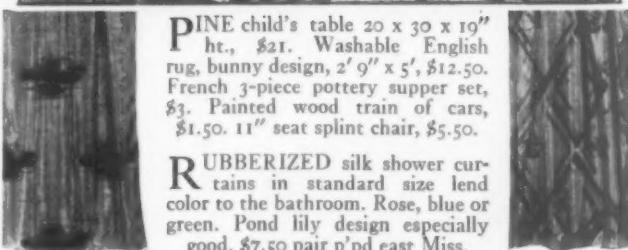
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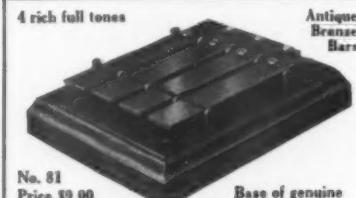
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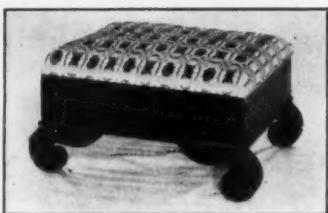
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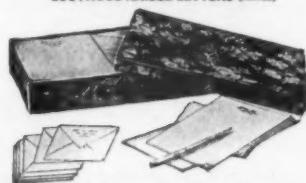
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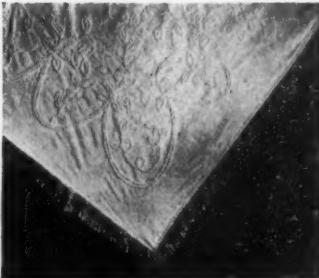
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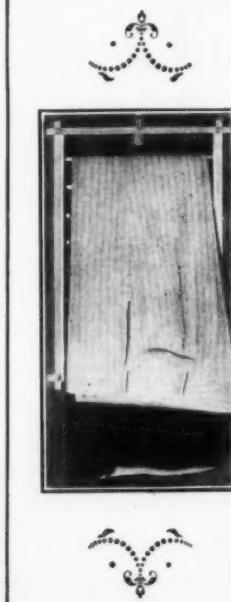


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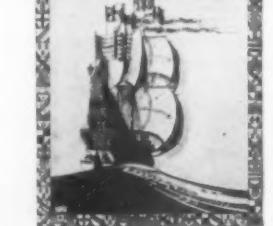
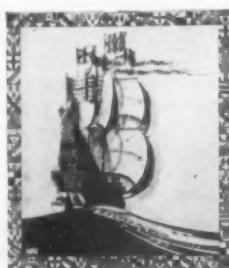
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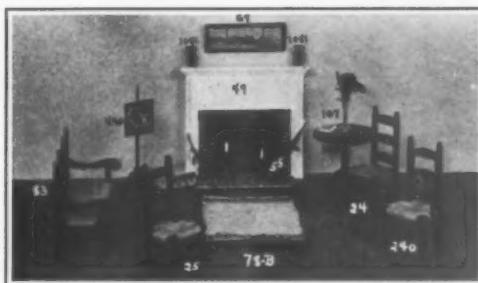
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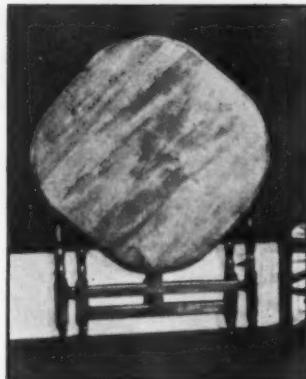


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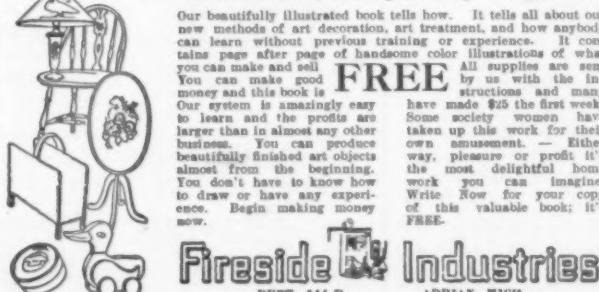
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—and so suitable for laying over old shingles*

COLOR spreads its mantle of beauty over everything. Wherever it is used it imparts added charm. And Genasco Latite Shingles in their four unfading colors make old homes more attractive and give new homes a beauty that is lasting.

Choose which color you will—rich warm red, cool sage green, blue-black, or the harmoniously blended Mix-Tone—or combine the different colors to get various charming effects. Genasco Latite Shingles always make a beautiful roof. They never require staining or painting, and their lasting colors are attched by their enduring protection—waterproof, weather-resistant, fire-retardant through the years.

Genasco Latite Shingles are made of tough, long-fibred, asphalt-saturated rag

felt, and they are coated on both sides with Trinidad Lake Asphalt Cement. This seals the saturant in the shingles and prevents them from deteriorating, thus insuring long service. The coating on the underside, known as the "Sealbac," assists in the closer adhesion of the shingles on the roof.

When you have your home roofed or re-roofed, it will pay you to insist upon Genasco Shingles because they are the only shingles waterproofed with Trinidad Lake Asphalt Cement—made from that unequalled waterproofer produced by nature—Trinidad Lake Asphalt.

And here's another feature—exclusive with Genasco Latite Shingles. Each individual shingle has a patented "key"



To make the old home new

Use Genasco Latite Shingles over your present weatherboarding or wooden shingles. New and lasting beauty—never need painting—and they afford added protection.

which locks the shingles closely together—which makes the roof "lay tight" and stay tight. It also makes Genasco Latite Shingles particularly suitable for re-roofing—laid right over the worn-out roof, avoiding all the dirt and expense of tearing it off. And your home is warmer in winter and cooler in summer because the old roof becomes just that much extra insulation.

No matter what type of building you are going to roof or re-roof—a handsome residence or a modest bungalow, a barn or a garage or whatever it may be—it will prove to your advantage to get acquainted with Genasco Latite Shingles. And the easy way to do that is to use the coupon—fill it out now—and mail it today.

The Barber Asphalt Company

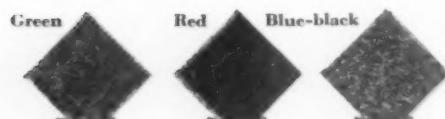
New York
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Philadelphia

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Chicago
San Francisco



Back view

Mix-Tone

The front views of the Genasco Latite Shingles show the attractive non-fading colors. Invisible on the completed roof, the patented "key" on the back of every Genasco Latite Shingle locks each shingle securely to those underneath. The back view shows how the key locks. The turned-under corner makes a double-thick butt that adds distinction to the completed roof.

Genasco
Reg. U.S. Pat. Off.
Latite Shingles



THE BARBER ASPHALT COMPANY PHILADELPHIA

A.H.-10
Please send me, without obligation, full information about Genasco Latite Shingles, and name of the nearest concern which will furnish estimate of cost for roofing or re-roofing my home.

Name.....
Address.....

NOVELTIES AND SCARCE ROSES . POLYANTHA ROSES
 HYBRID PERPETUAL ROSES . EVERBLOOMING ROSES
 HARDY CLIMBING ROSES . TENDER CLIMBING ROSES



Autumn Planting

SEVERAL hundred thousand 2-year-old low budded, field-grown plants, in several hundred varieties, are ready for customers who place their orders within the next few weeks. In our fields we have many new and rare varieties, an extensive collection of Climbing Roses and Roses adapted to all parts of the country. We are in a position to fill orders for many varieties which have not hitherto been available in quantity.

"Roses by Bobbink & Atkins," our special catalogue, is profusely illustrated in color, describing and pricing the older favorite Roses as well as the newest novelties. Intelligent comments are given on the merits and demerits of the various varieties. All are classified and arranged to assist you in making a perfect selection. A copy will be sent to those who intend to plant roses this fall.

Hardy Perennial Plants

We grow hundreds of thousands of hardy plants in nearly a thousand varieties. These are adapted to old-fashioned gardens, rock gardens, woodland plantings, ground covers, banks, dry soils and moist places. All are described and priced in our catalogue "Hardy Herbaceous Plants," a copy of which will be mailed to those who intend to plant perennials.

Evergreens for Autumn Planting

We can supply Evergreens for every place and purpose and in quantities to meet the needs of the small garden, the private estate or the public park. All are presented in our catalogue, "Evergreens, Azaleas and Rhododendrons." A copy will be mailed on request to those who intend to plant evergreens.

Our Specialties. Japanese Maples, Weeping Flowering Cherries, Magnolias, Azaleas, Lilacs, red and white Dogwood, grafted Blue Spruce in Koster and Moerheimi varieties.

In your request it is important to state definitely what you intend to plant. We issue several catalogues. We are in a position to fill orders of any magnitude.

Bobbink & Atkins, Rutherford, N. J.



In and About the Garden



[*Edward Farson.*]—



The American Home Achievement Medal was given to Professor A. P. Saunders for this new hybrid Peony, Challenger, at the American Peony Society's Washington meeting in June. It has deep ox-blood red petals and rose filaments with golden yellow anthers. About one-half actual size

THE AMERICAN HOME extends its congratulations to Dr. A. P. Saunders, of Alfred University, on winning its Achievement Medal for a wonderful new Peony—not merely ringing the changes on the old, but giving us what is indeed a brand new race of Peonies. This new flower surely must become really popular as a hardy garden plant—such color, such vigor, and such "effectiveness."

The award was made June 7 when the American Peony Society was the guest of the American Horticultural Society

at Washington, D. C. A really remarkable display of Peonies in general was also made more remarkable, because it was a little bit South for the best welfare of the delightful flower, and extraordinary efforts were made to meet the date. Indeed, the local exhibitors, Dr. Earl B. White and Howard R. Watkins, of Maryland, and G. W. Peyton, of Virginia, made triumphant displays of blooms that had been cut and kept in cold storage in some instances for weeks in order that the display might be adequate. I don't suppose that anything

like this could be done with any other flower.

It seems to me that every Peony show is marked by a few outstanding varieties. I mean varieties that dominate at the particular time, and here at Washington it is interesting to make a record of the outstanding quartette: Milton Hill, Solange, Tourangelle, and Walter Faxon. And, indeed, could there be a more triumphant quartette? Each one of these varieties is outstanding in color and form. Some of the connoisseurs thought that they (*continued on page 122*)

Choice Daffodils and Tulips

for April and May Blooming



Six million Daffodil blooms at our Mile-Front Daffodil Farm at Islip, L. I.

Daffodils in late April and Tulips in May are the most popular Spring Flowering Bulbs.

DAFFODILS

Since the embargo against the importation of Dutch Grown Daffodil Bulbs, we have been producing 53 of the Finest, New and Rare varieties on our Long Island Daffodil Farm. We have been growing Daffodils on Long Island for the past five years and are convinced that the soil and climate are well suited to them there. Bulbs are now being produced in as good a quality as formerly imported and at reasonable prices.

In order to encourage their wider use, we are making a Special Offer of

Six Fine Varieties

CONSPICUUS (Barrii)—Large, broad-spreading perianth of pale yellow, short darker yellow cup, brightly edged orange-scarlet. Splendid for any location.

LUCIFER (Incomparabilis)—Perianth sulphur-white with long, well-rounded petals; cup chrome-yellow with intense orange-scarlet suffusions. A bold, showy flower.

QUEEN OF THE NORTH (Leedii)—Broad, large perianth of clear, glistening white and remarkable texture; cup soft primrose-yellow with narrow rim of sulphur-white.

SIR WATKIN (Incomparabilis)—Perianth primrose-yellow; large and well-formed yellow cup, tinted deep yellow. A giant among the Medium Trumpet sorts. A flower of wonderful substance. One of the most popular of the older varieties.

SPRING GLORY—One of the finest Giant Trumpet varieties. Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A vigorous grower and one of the best of the newer Daffodils.

VANILLA—An excellent Giant Trumpet variety. A tall-growing and very handsome variety, having a fine, bold trumpet of deep yellow with a paler perianth and possessing the added charm of a most pleasing and delicate odor.

Special Collection Offer

10 Bulbs each of the above 6 varieties, 60 Bulbs.....	\$ 7.00
25 Bulbs each of the above 6 varieties, 150 Bulbs.....	15.00
100 Bulbs each of the above 6 varieties, 600 Bulbs.....	50.00

A Garden Full of Daffodils—100 Bulbs for \$7.00

In order to acquaint our patrons with the desirability of planting a mixture of Daffodil Bulbs in their foundation planting and shrubbery borders, we are offering a special mixture of Giant and Medium Trumpet varieties, taken from 10 named varieties, at a special price of \$7.00 per 100.

Our Catalog

"Bulbs for Autumn Planting"
Is now ready—please send for a copy. It features the New and Rare varieties of Flower Bulbs from America, Holland, France and Japan. The Finest Tulips, Daffodils, Hyacinths, Crocus, Lilies and other Miscellaneous Bulbs for Autumn Planting.

One of the Largest Growers and Importers of American, Dutch, French and Japanese Bulbs for Discriminating Flower Lovers in the United States

30 & 32 Barclay Street

Branch Stores in Newark, N. J., White Plains, N. Y., Baltimore, Md.

New York City

Order Your
Bulbs Now

TULIPS

May Flowering Tulips, which include the Darwin, Breeder and Cottage varieties, are perhaps the most popular of all the bulbous plants. Whether your garden is small or large, Tulips may be used to brighten the May Days. Planted in clumps in the shrubbery border, the hardy border, or in formal beds, they are very valuable. Few garden lovers can resist the pleasure of planting these bulbs in the cool months of the Fall.

We are making a Special Offer of Tulips, including the Darwin, Breeder and Cottage sorts which bloom in May, of

Ten Fine Varieties

BARONNE DE LA TONNAYE (Darwin)—A rich yellow which becomes edged watermelon-pink as the flower ages, a very pretty characteristic. Height 22 inches.

BRONZE QUEEN (Breeder)—Soft golden bronze; large flower of sturdy habit. A very exquisite color. Height 28 inches.

CARDINAL MANNING (Breeder)—A beautiful shade of rosy violet, with a slight edge of bronze. Large flower of fine form. Height 28 inches.

CLARA BUTT (Darwin)—A fine clear salmon-pink. No other variety offered by us has the same distinctive and pleasing color. Height 22 inches.

FARNCOMBE SANDERS (Darwin)—A bright shade of scarlet with a clear white base, contrasting well when the flower is fully open. A large broad-petaled flower. Height 25 inches.

INGLEScombe YELLOW (Cottage)—In size, form and height it greatly resembles the Darwins, so much so that it is frequently called

MOONLIGHT (Cottage)—Bright canary-yellow; large flower, oval in shape, outer petals slightly reflexed at the tips. An excellent yellow for combination with the Darwins. Height 22 inches.

PAINTED LADY (Darwin)—A pale creamy white with faint tinge of heliotrope, gradually becoming almost pure white as the flower ages. Height 27 inches.

REVEREND EWbank (Darwin)—An exquisite shade of soft lavender-violet, slightly shaded silver-gray. A variety of great merit on account of its lovely color. Height 23 inches.

Special Collection Offer

10 Bulbs each of the above 10 varieties, 100 Bulbs.....	\$ 6.00
25 Bulbs each of the above 10 varieties, 250 Bulbs.....	14.00
100 Bulbs each of the above 10 varieties, 1,000 Bulbs.....	50.00

A Garden Full of Darwin Tulips—100 Bulbs for \$4.00

In order to acquaint our patrons with the number of lovely colors that occur in Darwin Tulips, we offer a mixture of 15 distinct varieties. These bulbs are all fine tall-growing varieties and the mixture is especially prepared by us.

Stumpf & Walter Co



Garden Reminders



In gardening a date can only be approximated. Generally the latitude of forty degrees at sea level and a normal season is taken as standard. Roughly, the season advances or recedes fifteen miles a day, thus Albany would be about ten days later than New York (which is latitude 42).

The latitude of Philadelphia is a week earlier. Also allow four days for each degree of latitude, for each five degrees of longitude, and for each 400 feet of altitude. Latitude 40 approximates a line through Philadelphia, Pa.; Columbus, Ohio; Richmond, Ind.; Quincy, Ill., Denver, Colo.

NORTH

The Flower Garden. Clean up the garden. Continue to pile up leaves and branches for compost. Dig up Gladiolus and Dahlias. Store Dahlias with tops down. Cover up Roses and hill up the soil around the bushes. Continue to plant Peonies. Plant Tulips and Narcissus. Most shrubs and many perennials should be in the ground by now. Remove annuals that are not saved for seed. Dig Canna and Caladium bulbs before frost. Store bulbs. Dig up Tuberose bulbs before the fifteenth. Take in plants to be grown indoors over the winter. Plant Crocus. Spread manure on flower beds. Plant Roses. Protect Chrysanthemums. Cut Everlastings. Plant annuals for spring blossom.

The Vegetable Garden. Harvest Pepper, Cucumber, and other hardy vegetables before frost. Beets, Carrots, Turnips, etc., may be kept in the ground until the latter part of the month. Transplant Lettuce to cold-frames. Transplant Cauliflower and Cabbage, started last month, to frames. Continue to blanch Endive. Rhubarb, Onion sets, and Asparagus are the only things that can be planted now. Sweet-potatoes are ready for digging. Protect tender vegetables.

Miscellaneous. Clean and air storage cellars. Boxes, barrels, etc., should be ready for storing bulbs, fruits, and vegetables. Rake up bare spots in the lawn, apply sheep manure, and then seed. Cut lawn regularly until frost. Spread manure over vegetable garden. Spade it up. Mulch Rhododendrons. Spray shrubs for scale after leaves fall. Prune Grape vines. Mulch berries. Water Evergreens before frost becomes heavy. Take hardwood cuttings.

SOUTH

The Flower Garden. Divide clumps of hardy perennials. Plant Rose cuttings outdoors. Divide Hardy Phlox. Plant Roses. Protect them against cold. Dig up Gladiolus as tops begin to turn yellow. Plant annuals, perennials, and bulbs. This is the best month to set out Narcissus, Hyacinths, Snowflakes, Easter Lilies, and Oxalis. Set out White Buddleia, Jasmine, etc. Prune the shrubs lightly. Start Sweet-peas, Pansies, English Daisies, Carnations, Columbine, Candytuft, Calendulas, Pinks, Poppies, Snapdragon, Sweet Williams, and Sweet Alyssum.

Divide Ferns. Watch bedding plants for aphids. Prune Roses.

The Vegetable Garden. Sow winter vegetables not yet started. Separate bud Artichokes. Sow Cauliflower. Sow Cucumber seeds in pots to be put in hotbeds next month. Sow Turnips every two weeks until April. Start banking Celery.

Miscellaneous. Plant Strawberry bed. Start new lawn. Mix the soil thoroughly. Use fertilizer. Decide what cuttings you want to take. Get pots ready for them. It will be time to use them next month.

THE WEST COAST

Start new lawns. Sow hardy annuals. Plant Callas. Transplant deciduous trees and shrubs. Plant Magnolias, Camellias, and Laurels. Set out Amaryllis bulbs. Sow Primulas, Pansies, Forget-me-nots, and Cinerarias. Divide Primroses and Delphiniums, also Doronicum and Perennial Phlox. Give Dahlias application of liquid manure. Take cuttings of Lavender, Pentstemons, and Geraniums. Plant Lily-of-the-Valley. Start planting Anemone and Ranunculus. Continue planting of spring bulbs. Annuals may well be planted in the Tulip beds.



Plan Your Next Tulip Garden With Favorites Below

PLEASE feel at liberty to select, at random, any varieties you prefer from among those offered below. Darwins and Breeders blend splendidly in the working out of color schemes, while Cottage Tulips are the class "par excellence" for bedding and cutting. Plant some of each class for a gorgeous show next May.

The bulbs we offer are the finest product of



Holland, grown in our own nurseries under the supervision of experts. They have been grown and cured with special care; sorted, packed, and shipped with even greater care. We guarantee that *every bulb will bloom*, with ordinary care. They must bloom true to description or we will replace any that fail to do so.

On that basis we invite you to order.

Outstanding Darwins

The stiff-stemmed Darwins are cup-shaped and come mostly in cheerful self-colors.

CLARA BUTT. Clear pink, flushed salmon-rose, with blue base and white halo. 22 inches. 60c. per dozen, \$4.00 per 100.

PROFESSOR RAUWENHOFF. Bright cherry-red, with brilliant blue center. 28 inches. 75c. per dozen, \$5.00 per 100.

CENTENAIRE. Rich violet-rose. Large size, perfect shape, strong stems. 32 inches. 75c. per dozen, \$5.00 per 100.

BARONNE DE LA TONNAYE. Bright rose with lighter margin. A superb border variety shown in foreground of picture above. 30 inches. 60c. per dozen, \$4.00 per 100.

PRINCESS ELIZABETH. Deep pink, brightening with age. Very lasting in border, fine for cutting. 28 inches. 75c. per dozen, \$5.00 per 100.

AFTERCLOW. Soft rosy orange tinged with pink, with lighter orange edge. Most artistic. 30 inches. \$1.15 per dozen, \$8.00 per 100.

FAUST. Enormous. Deep satiny purple of superb form. 30 inches. \$1.00 per dozen, \$7.00 per 100.

JUBILEE. Bright bluish purple. Large flower on 30-inch stems. \$1.25 per dozen, \$9.00 per 100.

ANTON MAUVE. Rich violet-purple shaded with dull garnet, slightly paler at edges. Superb! 30 inches. \$1.00 per dozen, \$7.00 per 100.

EUTERPE. Silvery mauve-lilac with paler margins. 29 inches. 60c. per dozen, \$4.00 per 100.

Personal Preferences:—Comparatively few people agree on the merits of the different varieties. Those offered here represent our choice on the basis of merit—all are good or we would not use them as business builders.

Cottage Class Winners

The most lasting and of most graceful shape.

PICOTEE. White with deep rose margins and gracefully recurving petals. 24 inches. 90c. per dozen, \$6.00 per 100.

GESNERIANA SPATHULATA. Enormous. Rich crimson-scarlet of great brilliancy. 26 inches. 70c. per dozen, \$4.50 per 100.

INGLESCOMBE PINK. Rosy pink, flushed salmon changing to rose. Very choice and showy. 25 inches. 70c. per dozen, \$4.50 per 100.

LA MERVEILLE. Orange-scarlet, flushed rose, with yellow center. Deliciously scented. 20 inches. 70c. per dozen, \$4.50 per 100.

AVIS KENNICOTT. Bright chrome-yellow. Considered the finest of its color. Enormous flowers. 26 inches. \$1.25 per dozen, \$9.00 per 100.

JOHN RUSKIN. Glittering salmon beauty, edged soft yellow. See specimen flower to left above. 18 inches. 75c. per dozen, \$5.00 per 100.

Were you to ask our choice from among above Cottage Tulips we would say let John Ruskin lead your list. La Merveille and Picotee are also bound to please everybody, every time.

Specials for that Rock Garden

Muscari, or Grape Hyacinths

HEAVENLY BLUE. The brightest and largest. 55c. per dozen, \$3.50 per 100.

SCILLA SIBERICA. Sky-blue, bell-shaped beauties. 60c. per dozen, \$4.00 per 100.

S. SIBERICA ALBA. The white form. 55c. per dozen, \$3.50 per 100.

SNOWDROPS. Single. 55c. per dozen, \$3.75 per 100.

Double. 75c. per dozen, \$5.00 per 100.

CROCUS

Separate mixtures of blue, striped, and white sorts, at the uniform price of 50c. per dozen, \$3.00 per 100.

Exceptional Breeders

These bring us a great variety of color combinations in one and the same flower, also the so-called pastel shades.

GOLD-FINCH. Golden brown with lilac flush and yellow base with olive star. Most beautiful. 30 inches. \$2.00 per dozen, \$15.00 per 100.

LOUIS XIV. Dark purplish bronze with broad margins of golden brown. A truly superb sort. 32 inches. \$1.15 per dozen, \$8.00 per 100.

PANORAMA. Deep orange shaded mahogany. Specimen flower shown to right above. 22 inches. 75c. per dozen, \$5.00 per 100.

BRONZE QUEEN. Soft buff tinged with golden-bronze on inside. 28 inches. 75c. per dozen, \$4.50 per 100.

JAUNE D'OEUF. Bright apricot with broad lilac stripe. 26 inches. 90c. per dozen, \$6.00 per 100.

BACCHUS. Immense egg-shaped flowers of rich plum-violet. Long-lasting. 30 inches. \$1.35 per dozen, \$10.00 per 100.

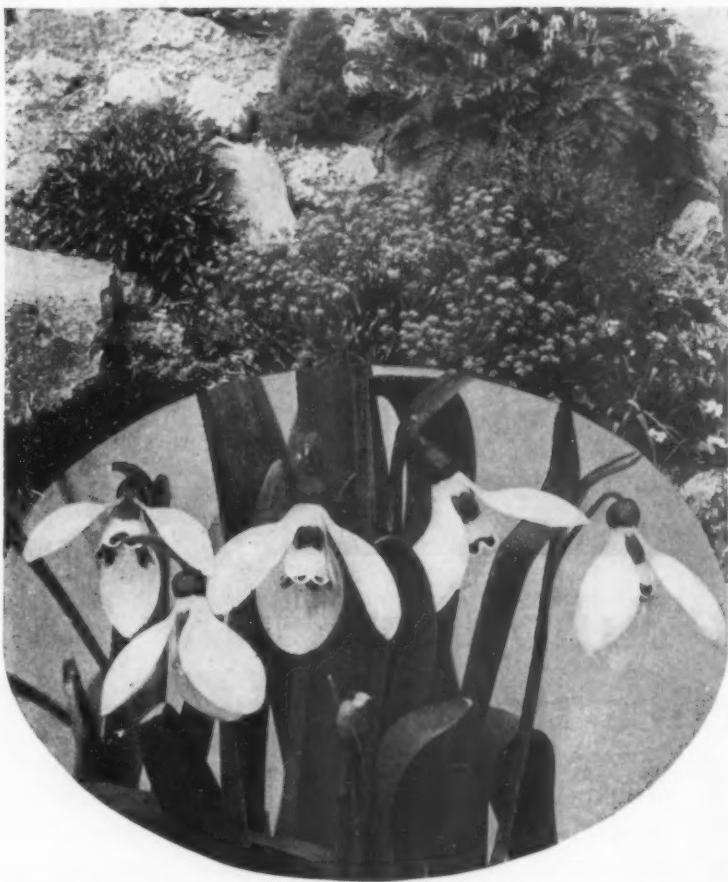
VELVET KING. Magnificent border variety of dark, glossy maroon-purple. 26 inches. \$1.15 per dozen, \$8.00 per 100.

CARDINAL MANNING. Dull wine-red turning to rosy violet with bronze shadings. 28 inches. 75c. per dozen, \$5.00 per 100.

We consider Louis XIV the outstanding variety among the 8 varieties, with Panorama competing most strongly for our favor. Bacchus is also absolutely unique. Please ask for our list of other varieties now on hand here at Oyster Bay.

Zandbergen Bros., "Tulipdom" 3 Mill River Road, Oyster Bay, Long Island, New York

Nurseries at Valkenberg, near Leiden, Holland, and at Babylon, Long Island, New York



MESSENGERS OF SPRING CHEER!

SPRING need not start drearily in your garden. Before the last snow disappears the little Snowdrops will arrive. Their dainty, tinkling bells (see above) will awaken Glory of the Snow, Grape Hyacinths, and Squills. Then the Crocuses will join these extra early Spring garden guests. And every one of them will be perfectly at home in any part of your garden! All do best if planted at once!

Glory of the Snow (*Chionodoxa*). Sky-blue beauties with white eyes. Will establish a permanent home in any good garden soil. 40c per doz.; \$2.50 per 100.

Crocus, Giant Mixed. Bring a wonderful array of solid colors. The exceptionally large bulbs bear exceptionally large flowers. 50c per doz.; \$3.50 per 100.

Winter Aconite (*Eranthis Hyemalis*). This lovely Spring beauty forms a charming companion to the white Snowdrops. 40c per doz.; \$2.50 per 100.

Snowdrops (*Galanthus*). The bravest of them all, facing fierce March winds and coaxing out the balance of the garden's "early birds." 50c per doz.; \$3.50 per 100.

Grape Hyacinths (*Muscari*). The variety **Heavenly Blue** bears much larger spikes than the old-fashioned type and they last longer. 50c per doz.; \$3.00 per 100.

Siberian Squills (*Scilla*). Dwarf sprays of rich blue, bell-shaped flowers. Particularly effective in clumps and in rock gardens. 70c per doz.; \$5.00 per 100.

Special Combination Offers:

1 Dozen each of above 6 Spring beauties . . .	\$ 2.75
25 Each of above 6 Spring beauties	5.00
50 " " " (300 bulbs in all)	9.50
100 " " " (600 " " ")	15.00

For Additional Fall Planting Hints Consult Autumn Catalog

It offers the choicest in Dutch Bulbs—(Tulips, Hyacinths, Crocuses, etc.), American-grown Daffodils, Hardy Perennials, the finest in Hardy Roses,—in short, everything the look-ahead type of gardener will welcome to save valuable time next Spring. Gladly mailed free. When writing, please mention A. H.

HENRY A. DREER

1306 Spring Garden Street

Philadelphia, Pa.

Give the bulbs a fair chance

Continued from page 30

As a rule, the sooner bulbs can be planted after arrival the better.

Sometimes, however, it is impossible to plant bulbs as soon as they are received.

In such circumstances, unpack at once, examine carefully, discard or place by themselves any bulbs appearing injured or diseased, and replace in the original containers taking care to provide for ventilation—that is what the small round holes in the bulb bags are for. Or better still, pack in dry peatmoss, particularly if it may be several weeks before the bulbs can be planted. This sterile material will preserve the bulbs in plump, sound condition.

As a general rule, the earlier you plant a bulb, the better for it. But early planting is much more important with some bulbs than with others. If you have a large number of bulbs to plant, it is a good plan to put in Daffodils first, then the Crocuses and Early Tulips, next Late Tulips and Hyacinths, and lastly the "minor" bulbs and Tulip species. If one can start with the Daffodils fairly early in October and follow with the others at intervals of a week wholly satisfactory results may be expected.

Just because most bulbs will throw some sort of a bloom no matter how they are treated, there is a tendency with many people to plant bulbs with little or no advance preparation of the soil. But if spring bulbs are to do their best—to develop the full glory of size, form, and color which the painstaking bulb grower has put into them—the soil into which they are to go should be prepared just as carefully as for any flowers or vegetables set out in the spring.

Whether the bulbs are to be planted in groups scattered along through the perennial border—which is, on the whole, the most satisfactory of all ways of growing them—or placed in separate beds by themselves, the soil where each bulb is to go should be thoroughly forked and spaded up to a depth of eight or ten inches, turned over, and well pulverized. If it is so hard as to be dry and lumpy, a thorough soaking with water from the open hose, a few hours previous to the digging, will eliminate this difficulty. Don't attempt to prepare the soil as you plant: the only way to do it properly is to make a separate job of it and to get it done in advance—if a week or two beforehand so much the better.

I have tried all kinds of fertilizers for bulbs, in many different soils, but have never found anything which, for general purposes and under average conditions, gave better results than a mixture of very coarse ground or crushed bone, and fine bone meal or bone flour, in equal parts three to five pounds per 100 square feet. The latter serves to feed the hungry root system which develops immediately after planting; while the former, remaining in the soil over winter, will support spring growth and see the plants through their flowering period. An additional top-dressing of some more quick acting fertilizer, such as one of the modern concentrated complete plant foods, may be worked into the soil when the tops

come above ground in the spring; but good results may be had without this. Don't put the fertilizer in the holes when planting; mix it thoroughly through all the soil where the bulbs are to be planted. In new soil, which may be deficient in potash, it may be well to add wood ashes or tobacco fertilizer in addition to the bone. Most garden soils which have been well fertilized for other things will contain sufficient potash for the bulbs.

In no longer use manure of any sort in connection with bulb planting, either in the soil or for mulching. It may introduce weed seeds, and sometimes carries diseases. Plenty of humus in the soil is, however, essential to the best results. Humus may be provided by using soil from the compost heap, peatmoss, or commercial humus.

Many beginners fail to get their bulbs in deep enough. In average garden soil, that is a medium heavy loam, Tulips should be planted about four inches deep; Daffodils five; and Hyacinths six, to the top of the bulb. Extra large bulbs may be covered about an inch deeper. In heavy, clay soil plant somewhat shallower.

Crocuses, though considerably smaller, should be planted at least four inches deep, because they tend to work up in the soil, the new bulbs forming on top of the old ones. The various small bulbs—Grape Hyacinths, Chionodoxas, the wild species of Tulip, and Daffodils which, for the most part, make much smaller bulbs than the garden sorts, should be planted three to four inches deep.

In loose, mellow soil planting may be done rapidly and easily. After preparing the soil, lay the bulbs out, placing them four to six inches apart, according to size. Some extra large bulbs, such as "exhibition" size Hyacinths and the giant Daffodils, may be put eight to ten inches apart. Make a hole with an ordinary garden trowel, set the bulb in place, and cover with firmly packed soil. In wet or clay soil, it may be advisable to drop a handful of sand and peatmoss, mixed, under each bulb; ordinarily this precaution need not be taken. Be sure, however, that there is no empty air space under the bulb, as sometimes happens when the holes are made with a sharp stick or dibble. If it is late in the season and the ground is dry, water thoroughly immediately after planting.

"Naturalizing" bulbs applies to the planting of bulbs in woods or meadows, along streams, or in other locations to produce the effect of their having grown naturally. For this purpose, they should not be evenly spaced, but scattered in groups, irregularly, closer together in some places than in others. Dig out a generous hole for each bulb, put in a handful of compost or peatmoss with a pinch of bonemeal added, and press the bulb in firmly. In good soil covered with sod, it is necessary only to make a V-shaped slit, turn back the edges of the sod, plant, and replace the sod. Only thoroughly hardy bulbs—should be used for naturalizing. Tulips are not adapted to this use.



A SPECIAL OFFER

100 Darwin Tulips MIXED COLORS for \$3.50

or

100 Darwin Tulips (separate colors) for \$4.50

SEE ORDER COUPON BELOW

These are first-size bulbs, sure to bloom; and are choice varieties, not ordinary field-grown bulbs. We deliver them transportation paid anywhere in the U. S. A.

Henderson's Giant Darwin Tulips

100 Bulbs MIXED COLORS **\$3.50** — SEPARATE COLORS **\$4.50**

Delivered Transportation Paid Anywhere in the U. S. A.

You can have flowers in your garden six weeks earlier next season by planting bulbs this Fall. Darwin Tulips are ideal for beds, or for planting in the perennial border or rockery, and they are also very popular as cut flowers.

A round bed five feet in diameter, or a square bed five and a half feet each way, can be made with 100 Darwin Tulips, spaced six inches apart.

Henderson's Autumn Catalogue describes and illustrates the newest and choicest varieties of Tulips, Hyacinths, Narcissus, Crocus, Lilies and other bulbs, as well as plants and shrubs for Autumn planting. And explains all about planting and culture. We send it free on request.

PETER HENDERSON & CO.

35-37 Cortlandt St., New York, N. Y.

—ORDER COUPON—

HENDERSON'S GIANT DARWIN TULIPS

<input type="checkbox"/> Mixed Colors	<i>per hundred</i>	\$3.50
—Separate Colors—		
<input type="checkbox"/> Crimson	<i>per hundred</i>	
<input type="checkbox"/> Pink	<i>delivered</i>	
<input type="checkbox"/> Lavender	<i>Transportation</i>	
<input type="checkbox"/> Maroon	<i>paid in</i>	
<input type="checkbox"/> Rose	<i>the U. S. A.</i>	

PETER HENDERSON & CO.

35-37 Cortlandt St., New York, N. Y.

I enclose \$..... for which please send 100 each of the Giant Darwin Tulips checked opposite.

Name

Address

P. O. State

 Send Henderson's Autumn Catalogue Free

Most Beautiful in Masses!

Nature propagates her wildlings in generous fashion and to secure the prettiest effects we should follow her example. These Dog-tooth Violets (*Erythronium*) shown above are the result of a planting of fifty, three years ago. There are hundreds of them now. If you have a damp, shady spot, they will do as well for you. Bulbs ready for shipment now, in these varieties:

- E. americanum, light yellow;
- E. americanum albidum, the white companion;
- E. grandiflorum, very bright yellow.

Uniform prices:—\$1.00 for 10; \$8.00 per 100; 100 of each of three kinds \$22.50 delivered.

For that Shrubbery Border: Native LILIES!

The sheltering shade of shrubs is ideal for the Lilies. Mid-summer sees them rear their flower heads gracefully above the foliage. Lilies combine particularly well with such broadleaved evergreen shrubs as Rhododendrons, Laurels, etc. Available for immediate planting are:

- L. canadense, our wild yellow Meadow Lily;
- L. philadelphicum, reddish orange, spotted purple;
- L. superbum, our native orange Lily.

Uniform prices:—flowering size bulbs, \$4.00 for 25; \$15.00 per 100

Azaleas—finest ever!

Each year sees our fields look better, our plants more bushy and shapely. Besides Flame Azaleas offered in September Adv., we have splendid stocks of Pinxter Bloom Azalea and A. canescens both May-flowering; the Azalea arborescens and A. viscosa bloom later. In price they range from \$1.50 to \$2.50 each, depending on size. All are dug with large ball of earth and reach you securely burlapped.

Forty Pages of Nature Lore Free

To those interested in plant life, in woods or meadows, brooks or swamps, hills or dales, our catalog furnishes ample suggestions as to how to utilize Nature's own garden materials to best advantage around the home grounds. Gladly mailed free and please mention THE AMERICAN HOME.

GILLETT'S
Fern and Flower Farm
3 Main St., Southwick, Mass.
At It Half a Century!

Popular shrubs for present planting

Continued from page 56

varieties, to give us something happy for our gardens. This includes among its members not only the American Cranberry, but the Japanese and Chinese Snowball, the Laurustinus, and the native Blackhaws. The majority of its members are among the hardiest of our flowering shrubs, though there are a few exceptions to this, notably the majority of the evergreen varieties. It is the deciduous ones we use most, and these are not only showy in spring or summer flower, but the majority later give us some of our finest flaming colors of fall. The turning leaves hold their shape well and carry a softness of texture with their brilliant colors. Some varieties have been bred only to sterile flowers to increase their showiness of bloom. The others are followed by attractive berries of black, blue, scarlet, or occasionally yellow.

The majority of the Viburnums are rather broad shrubs growing from five to twelve feet in height, but with some one hundred and twenty species, there is bound to be more or less variation, and you will find them listed from ground-hugging shrubs to small trees. Among the lower growing ones however, is *V. carlesii*, a fairly recent arrival from Korea of much fragrance. It makes a low round bush, and while its foliage is not among the most distinctive of the family, the early blooms are a pleasing pink in the bud that later turns to white in the full opening. Both forms are carried at the same time. *Viburnum tomentosum* carries very handsome clusters of flat flowers, and many prefer it to any of the family. Its variety *plicatum* is the Japanese Snowball.

As a family, the Viburnums prefer moist, moderately rich soils and the sun but they adapt themselves well to the conditions in the garden and will tolerate clay better than most shrubs.

OUR old garden Mockorange (*Philadelphus coronarius*) is one of the most fragrant flowers that grows, and well worthy a place in the garden for this alone. You may know it better by the name of Syringa.

M. Lemoine has given us some of our best improvements in this, and that bearing his name and the dwarf Mont Blanc, among others, retain their fragrance. Mr. Wilson of the Arnold Arboretum brought a very valuable one from Western China in the large and extremely fragrant *Philadelphus purpurascens*. One Lemoine hybrid that goes under the name of Virginal is sometimes called everblooming by the nurserymen. This does continue to bear flowers at the tips of the branches until well into the fall, but you must not expect the full June bloom effect throughout the summer. The flowers themselves are very fine, large, and quite double, and the fragrance good. The Pacific Northwest has a fragrant native in *P. lewisi* that is quite worthy of admission into any garden if it is within your reach.

Mockranges are among those very welcome garden guests that lack in fussiness, asking only for fair drainage. This coupled with plant food,

space to grow, and a place in the sun will bring forth their greatest development.

In suggesting Ceanothus, I am thinking rather of the evergreen Pacific Coast varieties than of that more usually known as Jersey Tea (*C. americanus*). As the Western Heather was a plant for northern gardens, not satisfactory in the hotter sections, so will the western Ceanothus be for the gardens of the milder sections, though those from British Columbia, Washington, and Oregon should come through a Philadelphia winter if their site is chosen with discretion.

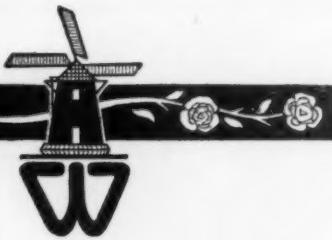
On the Pacific Coast, these are called Mountain Lilacs, and the name gives a good idea of their flower form and color, though while carrying both colors, they tend more to true blues than to lilac. There are also many whites, and a few pinks among them.

While the Jersey Tea is a plant of late summer bloom, and usually better moved in spring, these western evergreens bloom very early in the year, even in late winter in warmer sections, and are for fall planting throughout the districts where they will give satisfaction. They will grow in almost any soil, though their preference is for a light and well drained one, also a full exposure to the sun.

THERE are a number of hybrids of *C. americanus*, none of which are wholly hardy: but of the evergreen westerners, the white *C. velutinus*, the Snow Brush from British Columbia southward; the blue *cuneatus* from Oregon; and *C. prostratus* from Washington to California will probably give a greater range of hardihood, as they all climb well up the mountain slopes, and weather considerable snow and winter cold in their native homes. *C. velutinus* will reach as much as twelve feet in height. Its branches and trunk are stout, the leaves thick and resinous, extremely glossy as though varnished, rich green above and pale below. The creamy white flowers are delicately fragrant.

Ceanothus cuneatus is somewhat smaller, to eight feet, and the nurseries seem to be carrying it in its blue flowered form. *C. prostratus* is for the rock garden, bank, or other place where a trailing shrub is desired. Its leaves remind one somewhat of the holly. Three-horned scarlet seed vessels follow the bloom.

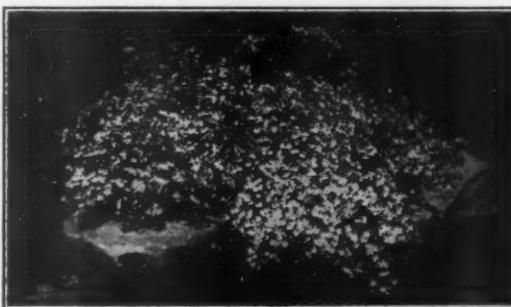
Northern gardens are the ones to most appreciate the promise of spring, and for them the southern heralds of Laurustinus and early Ceanothus are lacking. The boldest harbinger of bright days to come is probably found in the Forsythia, generally known as Golden-bell. This is not so early as the Witch-hazel, and some of its varieties do not always carry their flower buds through a severe winter without injury. For those of you, however, who live in severe climates, or who wish an exceptionally early variety, there is the Korean Forsythia *ovata*. This is a larger leaved, smaller flowered variety than the better known *f. intermedia*; but it makes a fine effect with its large size, light yellow branches, and numerous primrose blooms. It (continued on page 122)



Say What You Will

It's The Time Of Times To Plant Your Gardens

The time of times for either your rock garden or hardy things for anywhere. Right now, while the memory of the empty spots is with you, is the best of times to see to their being filled in. Waiting until next Spring means many needs forgotten.



The Saponaria, or soap plant, is anything but sudsy. But it will give you a profusion of rosy pink or blue white flowers. It has special merit for your rock garden or skin conditions.

Wayside Gardens

E. H. Schultz
Pres.

MENTOR, OHIO

J. J. Grullemans
Sec'y-Treas.



Reg. U.S. Pat. Off.

BUT there's still another side to it, besides filling in. Things planted this Fall, have a way of being entirely at home next Spring. And starting to grow and bloom as Spring planted ones seldom do. Of course there is no month like this one for bulb planting.

It happens that never before have we had quite such a choice collection of novel things in Plants and Bulbs. Many of them recently arrived from abroad. In fact, that Fall catalog of ours, covering hardy plants as well as bulbs, has many items in it never before offered in this country. Have no misgivings whether any of the hardy plants will winter if planted now. All of them are field grown clumps, that have already come a-smiling through two Winters. They'll winter, all right, and sure enough bloom the first year, besides.

Send for the catalog. Make sure you get some of the novel things, before other knowing ones snap them all up.

Landscapes and Gardens

Autumn's months are ideal for making new gardens or exchanging those that have become shabby. Evergreens can be moved safely; common shrubs may be replaced with unusual specimens, and old perennials give way to rare varieties. October is the middle of the season, yet there is time to plan and plant, thus insuring results in next year's landscape and garden. Gardens always are more interesting when new, novel and rare plants replace the more common kinds.

Landscapes and Gardens

Our handsomely illustrated catalogue will be your friendly guide to a great collection of American and foreign plants and shrubs. A copy of this book will be mailed on request. Please address Box H-1.

Wyman's
Framingham Nurseries
Framingham, Massachusetts

October is the Best Month!

To Plant Tulips and All Spring-Flowering Bulbs—Especially Schling Quality Bulbs at these Rock-Bottom Prices—for Example

100 DARWIN TULIPS \$4.00

Choicest, first size bulbs, sure to bloom. Schling's special mixture of ten of the finest named varieties—not the ordinary field grown mixture.
A \$6.00 value for \$4.00 or, if you prefer, 50 bulbs for \$2.25.

These Six Glorious Collections

100 Single Early Tulips—10 named varieties. April and May. \$8.00 value for.....	\$7.00
100 Double Early Tulips—10 named varieties. \$9.00 value for.....	8.00
100 Darwin Tulips—10 famous named varieties. May to June. \$7.00 value for.....	4.50
100 Cottage Tulips—10 named varieties. Grandmother's tulips, more beautiful than ever. May and June. \$8.00 value for.....	6.00
100 Breeder or Art Tulips—5 named varieties. Wonderful shades of Bronze, Buff, Apricot, etc. May and June. \$10.00 value for.....	8.00
100 Parrot or Orchid Tulips—in 5 named varieties. A \$7.00 value for.....	6.50

Virginia grown	DAFFODILS & NARCISSI	for naturalizing and lawn planting
Airy and medium trumpets, short cupped and lovely Poet's varieties, doubles and singles. All top size Mother Bulbs sure to bloom.		
100 for \$8.50	1000 for \$80.00	

Also These Lovely Heralds of Spring! 500 Bulbs, a \$23.00 Value—\$16.00

100 CROCUS in 5 named varieties.....	\$5.00
100 SCILLA SIBIRICA (Blue Squills).....	5.50
100 GIANT SNOWDROPS.....	4.50
100 BLUE GRAPE HYACINTHS.....	4.00
100 CHIONODOXA (Glory of the Snow).....	4.00
	\$23.00

Very Special—REGAL LILIES—at Big Savings
First quality bulbs at a tremendous discount—long, trumpet-shaped flowers, pearly white petals, throats shaded with pale yellow, in clusters on 3 to 4 ft. stems. Regularly \$85.00 per 100 bulbs. 1 doz. for \$6.00—25 for \$11.00—50 for \$20.00—100 for \$39.00.

Our new Bulb Book—Lists of choicest bulbs for indoor or outdoor planting—Free on request.

Madison Ave.
at 58th St.

Schling's Bulbs

MAX SCHLING SEEDSMEN, INC.

New York City



for Your Prize Garden

Choose only the best. A small additional investment repays you a hundred fold with beautiful blooms year after year. You can be sure of the quality bred into

Northbrook Peonies and Irises

Choose what you want from the Master List, "America's Blue Book of Fine Peonies and Irises."

Quality Group "D"

Three Baby Pinks for long blooming season.

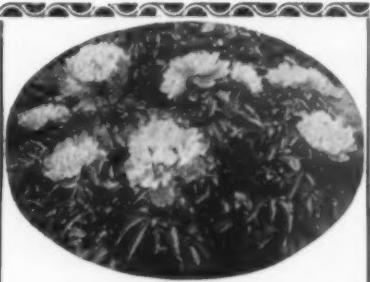
Eugenie Verdier, early	\$1.00
Reine Hortense, midseason	1.50
Grandiflora, late	1.50

GROUP PRICE (3 plants)	\$4.00
	\$3.00

NORTHBROOK GARDENS

Box J Q
Northbrook
Illinois

Write your name on the margin,
Tear it off with this corner
of the ad and mail it to
us. We will send you
your copy of the
Master List.
Box J Q



Special Bulb Bargains for Fall 1929 and Spring 1930

Your Choice of Any of the Following Bulbs at Greatly Reduced Prices:

All are fine large stock that will please you. Not small roots sent out by some firms.

8 Peonies—all different, labeled our selection, strong 3 to 5-eye divisions.	\$2.50
15 Iris—All different—Her Majesty, Rhine Nine, and thirteen other extra fine Iris, all for	1.00
10 Columbine—Long Spurred, mixed Mrs. Scott Elliotts	1.00
10 Delphinium—Kelway's hybrids mixed	1.00
8 Hardy Phlox—Choice varieties, all different	1.00
8 Lemon Lilies—Four varieties	1.00
10 Liatris—(Blazing Star) Extra fine for cut flowers	1.00
2 Bleeding Heart—Large plants	1.00
10 Mertensia Virginica—(Blue Bells) Fine for shade	1.00
10 Hesperis—(Sweet Rocket) Fragrant early flowers mixed	1.00
10 Lily of the Valley—Fortin Giant (New)	1.00
25 Lily of the Valley—The old variety	1.00
10 Trillium Grandiflorum—Wood lily, fine for shady places	1.00
10 Hepatica—Fine for shady places	1.00
6 Hardy Ferns—For shady places, large plants	1.00
15 Narcissus and Daffodils—mixed	1.00
15 Narcissus—The Pearl, new double fine	1.00
15 Narcissus—Late double white	1.00
15 Narcissus Poeticus—Single white	1.00
20 Narcissus Mrs. Langtry—Cream and yellow cup	1.00
6 Lilium Superbum—Our wild meadow lily	1.00
3 Lilium Candidum—The Madonna lily	1.00
4 Lilium Regale—New white trumpet lily	1.00
6 Lilium Tigrinum Splendens—Improved Tiger Lily	1.00
25 Bulbs Grapa Hyacinths—blue	1.00
25 " Double Snowdrops	1.00
25 " Ornithogalum—Star of Bethlehem	1.00

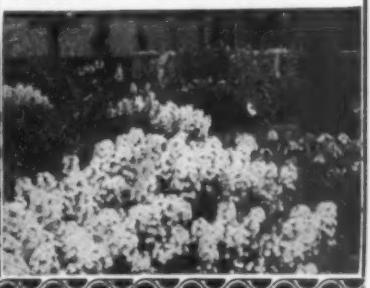
Plants ready for delivery in September and October

All of our plants are fine large plants that should bloom for you next year and we guarantee they will reach you in good growing condition.

We can supply nearly all plants and shrubs. Let us quote on any other stock you need.

Send cash, money order, or check with your order. We do not send C. O. D. and if you want them sent parcel post send postage to cover. Most lots of 25 bulbs will weigh about 3 pounds, the Peonies about 8 to 10 pounds for 8 roots. Bulbs must be sent by parcel post or express at your expense. If your order amounts to \$5.00 we will give you one extra Peony, FREE, or you can select any six \$1.00 collections for \$5.00. Add 25 to 35¢ extra for postage on \$5.00 collections, 15¢ extra for \$1.00 orders.

BABCOCK PEONY GARDENS
R. D. 79 Jamestown, N. Y.



PETERSON ROSES



As pioneers in an almost nation-wide movement to plant more and more Roses during October—November, we again urge you to prepare for your next summer's Rose Garden.

The first thing to do is to write for the Fall 1929—Spring 1930 issue of

"A LITTLE BOOK ABOUT ROSES"

long considered a classic among Rose Catalogs. It represents a business that, even a quarter of a century ago, fostered the idea of planting more and more roses outdoors in America. You will find this year's issue more beautiful and helpful than any ever published before.

Among other things, it gives reasons why Peterson Roses, so hardened and well-ripened by two or more years in our fields, succeed over winter even in some rather severe climates. If you have any doubt, it tells how we guarantee your success.

This little book is gladly sent upon request.

GEORGE H. PETERSON, Inc.
Rose and Peony Specialists

Box 50

Fair Lawn, New Jersey

Better Rock Plants

With few exceptions, all our rock plants are twice transplanted, which makes them more sure to live and blossom well. Here are six wonderful varieties for your rockery:

1. Colorado Columbine—*Aquilegia caerulea*. The wonderful blue and white state flower of Colorado. Likes partial shade.

2. Chinese Larkspur—*Delphinium grandiflorum*. Intensely blue and blossoms all summer.

3. Hardy Candytuft—*Iberis sempervirens*. Pure white with glossy evergreen leaves. May.

4. Blue Flax—*Linum perenne*. Extremely graceful and opens its sky blue flowers every morning through the summer and fall.

5. Cheddar Pink—*Dianthus caesius*. A very fragrant pink, growing from compact tufts of foliage.

6. Rock Tunica—*Tunica saxifraga*. Dainty pink flowers all the season from very attractive foliage.

The price of any of the above varieties is 3 for 60¢., \$2.00 per 12, or we will send you 6 of each for \$5.50, or 12 of each for only \$10.00.

Do you need evergreens—shade or fruit trees, shrubs or perennials? We will be glad to send you our catalog.

GEORGE D. AIKEN
Box V Putney, Vermont
"Grown in Vermont, It's Hardy"

Let Green's LANDSCAPE ARCHITECTS solve your home planting problems

Fall is the Time!

Enjoy the thrill of seeing your grounds spring forth in wondrous beauty next Spring as a result of your efforts this Fall.

Our Landscape architects are ready to prepare complete individual landscape plans for you. Our experts understand thoroughly the art of landscaping; they know blooming . . . and the correct effects obtained by the proper combinations of colors and varieties. Entrust these problems to us and save money.

Fall Plantings are Best

Autumn is ideal for most plantings. This is the season that Mother Nature plants. The ground is dry and accessible. Shrubs and plants have a chance to get established during winter, blossoming forth in early Spring, stronger and more beautiful. (Too, our architects are not so busy in the Fall and can devote more time to your plan.)

Green's Easy Method

With our free Sketch Blank it is easy for you to indicate roughly a layout of your grounds. It is not necessary to do your planting all in one year. Write today for details of our free landscape service.

Green's Fall Planting Guide is Free

—showing our trees, shrubs, and flowers in Nature's colors. It tells how and when to plant. Newly imported Bulbs from Holland ready to add brilliancy to your garden. Buy direct and save $\frac{1}{2}$ to $\frac{1}{3}$. Over 50 years' experience.

GREEN'S NURSERY CO.
2 Green St. Rochester, N. Y.

Floral Splendor from the Mountains

ON THE Blue Ridge Mountains, where old "Grandfather" reigns in silence, my nurseries were located because of soil and climate. Here thousands of rare and unusual native plants are propagated and grown to shipping size.

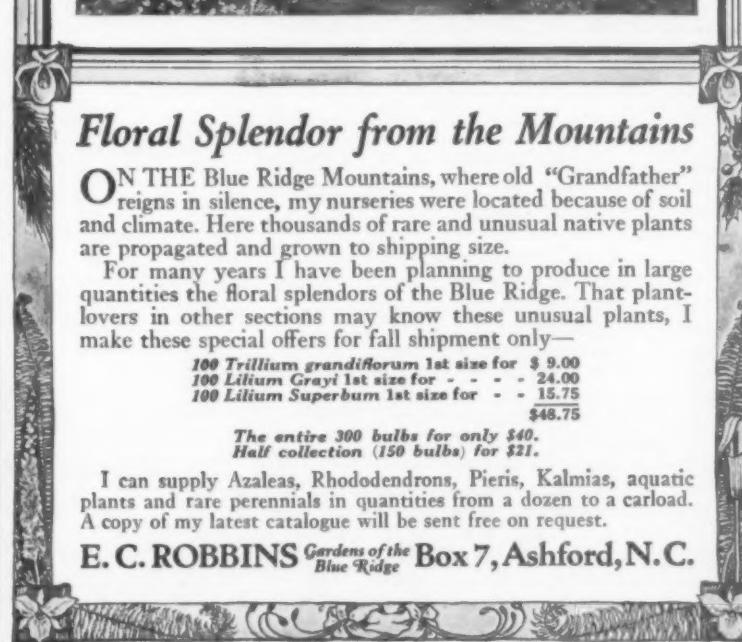
For many years I have been planning to produce in large quantities the floral splendors of the Blue Ridge. That plant-lovers in other sections may know these unusual plants, I make these special offers for fall shipment only—

100 Trillium grandiflorum 1st size for \$9.00
100 Lilium Grayi 1st size for - - - - - 24.00
100 Lilium Superbum 1st size for - - - - - 15.75
\$48.75

The entire 300 bulbs for only \$40.
Half collection (150 bulbs) for \$21.

I can supply Azaleas, Rhododendrons, Pieris, Kalmias, aquatic plants and rare perennials in quantities from a dozen to a carload. A copy of my latest catalogue will be sent free on request.

E. C. ROBBINS *Gardens of the Blue Ridge* Box 7, Ashford, N. C.





2 "Star Roses" —one-half price

(So you may judge their lusty roots
and sturdy stock)

Here's a chance for you to sample 2 full-size "Star" Roses at one-half catalog price. It is your opportunity to examine their vigorous root system, their sturdy growth. See them for yourself, then you'll know why we can so safely guarantee "Star" Roses to bloom.

Let these two "samples" convince you why you'll always plant "Star" Roses. Grown in the open fields where they have to take what comes in sunshine, rain, winter winds, frost—they are supremely fit for garden planting. This half-price offer is made to allow you to judge our field-grown "Star" Roses yourself!

It is a wonderful opportunity: 2 "Star" Roses, a copy of "Success with Roses", and our "Fall Guide to Good Roses"—full \$2.25 value:

all for \$1.00 postpaid

Lady Ashtown, H. T. Brilliant shining pink with golden underglow. Blooms over long period. Extremely hardy. \$1.00 each.

Etoile de France (Star of France) H. T. A strong growing, free blooming, sparkling red rose, unsurpassed in rich fragrance. \$1.00 each.

"Success with Roses", 32 pages profusely illustrated, makes rose-growing easy, tells how to plant, how to care for, how to cut your roses. 25¢ a copy.

The "Fall Guide to Good Roses," the best catalog we have published in 30 years, tells about roses that will grow and bloom profusely in your garden. This unusual "Guide" is FREE.

Send \$1 today!

After seeing your "samples" there's still time, if you hurry, to order a "Star Dozen" or a hundred "Star Roses" and get them planted this Fall, so they will be ready to grow and bloom from next spring until frost. Only one "sample" order to a person. Don't delay. Send your \$1 today!

Star Rose Growers

The Conard-Pyle Co.

Robert Pyle, President
Box 24, West Grove, Pa.

A unique achievement

Five R. H. S. Gold Medals—the Blue Riband of Horticulture—have been awarded our wonderful Delphiniums, far-famed for beautiful colors, shapely spikes and unrivaled quality.

Seed \$1.00 per packet—finest mixture.

BLACKMORE & LANGDON
Bath
England

FALL BARGAINS

Write for Cole's special Fall Book containing twenty pages in color describing Peonies—Dutch Bulbs—also Phlox, German and Japanese Iris, Oriental Poppies, field grown Roses, that are potted and ready to bloom, etc.

This free book contains big values on thrifty stock. We grow "Everything that's good and hardy."

THE COLE NURSERY CO.

PAINESVILLE BOX 25 OHIO

RHODODENDRONS KALMIAS—AZALEAS OUR SPECIALTY

Send list of wants for prices.

MORRIS NURSERY CO.
47 W. 34th St., New York, N. Y.

Rockplants
and construction of rock gardens
our specialty. Ask for list.

RAINBOW NURSERY CO., Inc.
East Northport Long Island

Duckham



America's Noted Grower of UNUSUAL DELPHINIUMS

—offers—

an exceptionally superb strain in strong, field-grown plants, for planting out this Fall.

Many of these have not yet flowered, and some delightful surprises are in store for those who buy before "field selections" are made.

The dignified and graceful beauty of these splendid hybrids, for several years has created quite a commotion at the New York International Flower Shows and elsewhere. The very highest honors that could be bestowed upon them have been awarded them by knowing judges—they are the cream of English Hybrids—Grown in America.

Prices

MIXED HYBRIDS. (Including many plants that have not yet flowered), Each \$1.00; Dozen \$11.00; 100, \$85.00.

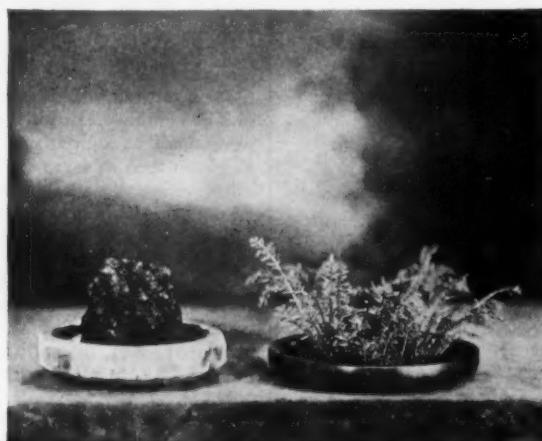
FIELD-SELECTED PICKED TYPES. Each \$2.00, \$3.00, \$4.00, \$5.00 and \$7.50.

Descriptive Circular on Request

WILLIAM C. DUCKHAM

Delphinium Specialist

MADISON (Box G) NEW JERSEY



California Redwood Burl

A New and Unique Winter Decoration

California's famous Redwoods produce round knots at the base of the trees. When these knots are cut and the cut face immersed in shallow water they soon start many little evergreen branches, as graceful as ferns, far easier to grow, and which keep perfectly fresh for a long time.

By simply renewing the water from time to time the Burl will be beautiful for as long as two years, and this in living room, office, or other interior, in sun or shade. No more refreshing touch of green for the cold winter months can be imagined.

Small Burl \$1.00 each.

Larger size at \$2, \$3, and \$4 postpaid.

Wonderfully fine large Burl at \$5 postpaid.

My new Hardy Perennial Catalog features Rock Plants, with a wealth of cultural information not found in other catalogs and in few reference books. Western American plants are also featured, with the best old and new varieties and the hardiest sorts for all climates.

Special offer. Two each of 6 double Hollyhocks in 6 colors, postpaid, for \$1.50 west of the Rockies; and for \$1.75 east of the Rockies. You have seen none that equal these varieties.

My California Bulb Catalog is unusually charming. This booklet and the perennial catalog will be sent on request.

CARL PURDY, Box 96, Ukiah, Calif.

Iris Peonies Delphiniums

"It is more blessed to give than to receive."

We find that it pays us to give our customers more than they pay for or expect.

Don't take our word for it but try one or more of the following offers and see.

OFFER NO. 1

For \$3.00 I will send 13 Iris worth over \$5.00—postpaid

A. E. Kunderd, Albert Victor, Archeveque, B. Y. Morrison, Caprice, Dorothea K. Williamson, Florentina, Iris King, Lent A. Williamson, Mrs. H. Darwin, Princess Beatrice, Steepway, Francina.

OFFER NO. 2

For \$5.00 I will send 13 Iris worth over \$8.00—postpaid

Alcazar, Crusader, Edouard Michel, Georgia, Lord of June, Mme. Chabaut, Myth, Palauera, Prospero, Queen Caterina, Seminole, Steepway, Tamar.

Note: Since, in connection with my Iris Roots you cannot have "bad" luck, I am sending you dozens plus one—for "good" luck.

OFFER NO. 3

Six Peonies worth \$9.00 for \$5.00—postpaid

Avalanche, Chestine Gowdy, Mme. Boulanger, Mme. Crousse, Auguste Villaume, Cherry Hill.

OFFER NO. 4

Six Peonies worth \$18.00 for \$10.00—postpaid

Edith Forrest, Baroness Schroeder, Longfellow, Tourangelle, Mme. Jules Dessert, La France.

OFFER NO. 5

Seven Peonies worth \$57.00 for \$30.00—postpaid

Betty Alden, Judge Berry, Kelway's Glorious, Le Cygne, Grace Loomis, Solange, Longfellow.

OFFER NO. 6

1 Doz. Delphiniums, 1 Doz. Iris, 6 Peonies—all good named varieties, but not labeled, for \$5.00.

100 Mixed Iris—at least 27 choice named varieties but not labeled—for \$5.00—1000 for \$45.00.

A customer bought 1000 and was so well pleased that he ordered 2000 more. These go by Express not prepaid.

IRIS SIBERICA

Orientalis each, 25 cts. Doz. \$2.00; 100, \$8.00

Snow Queen each, 25 cts. Doz. \$2.00; 100, \$8.00

Perry Blue each, 75 cts.

New Crop DELPHINIUM Seed from Selected Blooms. Large Packet 50cts.

May I send you my catalogue to tell you more? Thank you!

GEO. N. SMITH
167 Cedar Street
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See Special Offer

of Peonies in September issue and Iris in August issue of "American Home." More Peonies are planted in October than in any other month. Our superb catalog is designed to give the greatest help in making a collection of early, midseason and late varieties.

ROSES

Our Roses described in this catalog are acknowledged by all growers to be the very cream of varieties. All extra-heavy, two-year plants that will give bloom next year from June to October inclusive at prices only about two-thirds what you will have to pay in some quarters next spring. Place your orders this fall to be sure to secure your choice. Shipment will be held until spring if desired. We turned away many orders before the season was over last spring; it pays to order early.

"America is Yours. Beautify it."

Catalog on Request

S. G. HARRIS

Rosedale Nurseries Box A Tarrytown, N. Y.

Dreer's Roses

Sturdy, Dormant Stock for Fall Planting

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Of about 300 different varieties of Hardy Garden Roses which we grow, we consider the following in classes by themselves:

The "Gold Medal" Dozen Holds the choicest of the tested novelties of special interest to those in search of the best.

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The "DREER" Dozen Holds standard kinds that have made good in all sections of the country, under widely varying climatic conditions. Delivered for \$11.00

Autumn Catalog Offers Many Items

Nineteen pages of it are devoted to Dreer Roses, all varieties offered in above collections, being described in detail. It also offers hardy plants of all kinds, all kinds of bulbs for outdoor and indoor culture. Let the Dreer Autumn Catalog guide you to better Spring gardens, and please mention this publication.

HENRY A. DREER

1306 Spring Garden Street
Philadelphia, Pa.

Popular shrubs for present planting

Continued from page 118

seems to be about two weeks earlier than the others members of its family, blooming in late March in Boston.

Of the more usually planted forms, there are both upright and pendulous shrubs, though the weight of the blooms tends to arch the branches of many of the upright forms when full grown. Forsythia intermedia and F. suspensa are both widely used. Fortune's Forsythia is a form of the latter that makes a large shrub of upright, though arching, branches, well clothed with rich yellow bloom that is later followed by deep green foliage, turning to purple in the fall. F. suspensa itself droops to almost trailing form, and may be used for hanging over walls, training over an arbor, or to edge a shrubby planting, as its branches meet the lawn gracefully. I would not recommend the Greenstem Forsythia (F. viridissima) for northern gardens. It is a smaller, more bushy shrub that not only lacks hardihood, but is also a later and less prolific bloomer. F. intermedia is, however, a hybrid between this and F. suspensa that blooms more freely, is hardier, and much resembles the Greenstem parent.

In planting new shrubs, it is best to set them only half an inch, or an inch deeper than they were placed in the nursery, and they should have a winter mulch, even though hardy, for the first year. For massed effects the larger varieties are usually set about four feet apart; the smaller ones only two or three. The Western Heather mentioned here will take the closer planting; the Elderberry might well be given more space if its future growth is taken into consideration.

In larger plantings it is wise to consider foliage and fruit, as well as bloom. A group or so that are interesting in fall and winter with brilliant turning foliage and bright berries earn their place in the border, even though their bloom is less striking. A planting of bulbs might be made at their base to supply the color that their own flowers lack. The evergreen shrubs, either broadleaved or coniferous, group well among the deciduous ones, and nothing forms a finer background for the flaming tints of fall than does the fine dark green of the conifers whether in shrub form or in tree.

In and about the garden

Continued from page 112

had never seen Walter Faxon shown better, but be that as it may (and, of course, that is open to opinion) these four varieties were intrinsically worth while, and no one can make any mistake in adding them to his garden this fall.

As a whole, the Peony display was unquestionably interesting and the blooms on exhibition were of fairly uniform quality. But they certainly were small in comparison with what has been seen in some other years in other cities, because, after all, the Peony gives its best in harder climates.

The best specimen bloom in the show—we again return to one of the famous quartette—was Tourangelle, from H. R. Watkins. The winning collection, ten named varieties (H. R. Watkins), had in addition to the outstanding quartette: Frances Willard, Avalanche, Sarah Bernhard, Baroness Schroeder, Felix, Crousse, Kelway's Queen, Howard R. Watkins, and Chevy Chase, Md., which is a pretty good list of varieties, anyhow, and one which could be safely planted by anyone who wants real Peonies.

In a class for a display of new varieties introduced in 1915 or later, Mr. Peyton made a large contribution. Some of these varieties, it seems to me, do not carry great distinction or individuality but the following few were really arresting: Alice Hardy, Argentine, Clara Stockwell, Ginette, and Rose Shaylor.

The Peony fan who was searching for the unusual found La Lorraine from Mrs. W. K. Du Pont, the yellow hybrid tree Peony; and Mr. Norton from Ayres' Cliff, Quebec, brought the rare, fragile, and tender little tenuifolia rosea—just enough to be recognized.

The outstanding feature of the show, however, was made by Prof. A. P. Saunders with his new race of hybrid Peonies between officinalis

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FOR FOUR GENERATIONS BUILDERS OF GREENHOUSES

Can't You Just Pause A Minute and Give Thought?

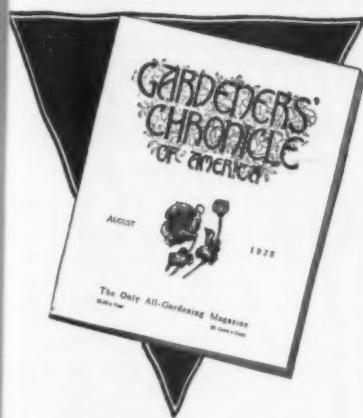
FRANKLY, now, why is it you don't have that Glass Garden both you and yours have so long wanted? Surely it's not because they cost too much, for just see the things you possess, and are right now further planning for, that cost so decidedly much more.

Wonder if you are overlooking its investment side, in that it yields you continuous dividends? Constant dividends in pleasures and contentments, quite unlike anything you can secure in any other way.

You see I know what I am talking about, as last fall we had one of these "Deferred Joys" built on our country home place. Wish we could sit down together and let me tell you how much more—so very much more—than just flowers it brought to us. That's the side of Glass Garden possessing which I suspect so many overlook. However, there's our catalog—a new one. It is decidedly informing. You might think it well to send for it.

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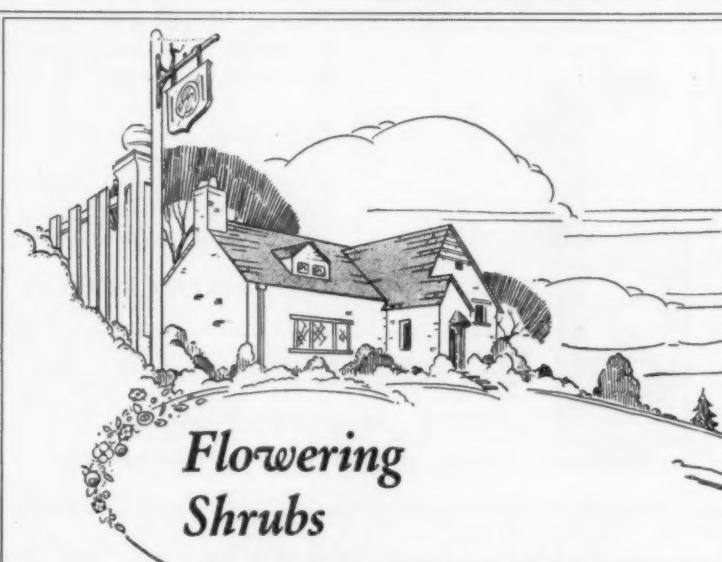


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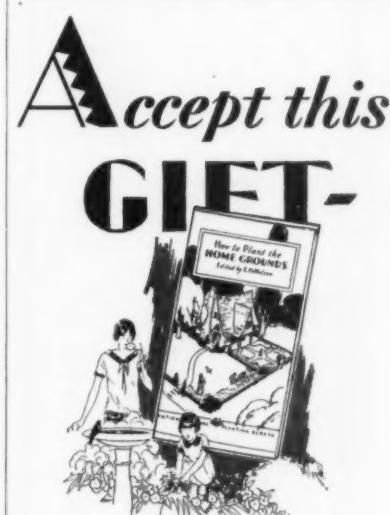
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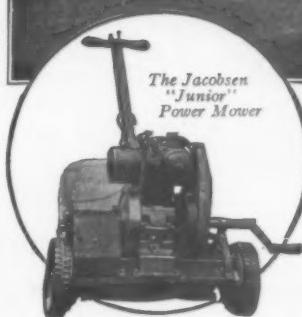
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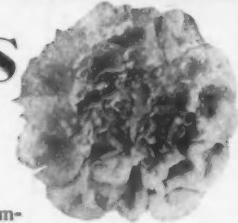
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